

CURRICULUM VITAE

JAIME GIL ALUJA

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PERSONAL DETAILS

Surname and Name: GIL ALUJA, Jaime

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Place of Birth: Reus (Tarragona). Spain.

Date of Birth: September 25, 1936

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UNIVERSITY DEGREES

- Graduate in Political, Economic and Commercial Sciences, University of Barcelona (June 1959).
- Doctor in Political, Economic and Commercial Sciences, University of Barcelona. (First Class Honours "Cum Laude") September 21, 1964.
- Graduate in Business Organisation and Management of the Business Administration School of Barcelona (E.A.E.) October 1, 1977
- Chartered accountant for opposition. Institute of Chartered Accountants from Spain. May 10, 1979.



ACADEMY MEMBERSHIP

He is currently President of the Real Academia de Ciencias Economicas y Financieras [Royal Academy of Economic and Financial Sciences] since the 20th of February 2002 and Vice- President of the Reial Academia de Doctors [Royal Academy of Doctors] since the 23rd of February 1990 until June 26, 2012.

He forms a part of the following eleven Scientific Academies:

- Member of the Royal Academy of Economic and Financial Sciences, December 30, 1973.
- Associate Member of the Académie Delphinale (Grenoble. France), June 12, 1992.
- Honorary Member of the “International Academy of Computer Science” of the C.E.I. (Moscow), September 8, 1993.
- Member of the Russian Academy of Natural Sciences (Moscow), September 30, 1993.
- Honorary Member of the Romanian Academy. (Bucharest), February 7, 1995.
- Honorary Member of the Russian Academy of Engineering (Moscow), March 27, 1997.
- Academician of the World Academy of Arts and Sciences (San Francisco, USA), June 2006.
- Academician (Full Member) of the International Academy of Modern Sciences, (Baku, Azerbaijan) November 23, 2007.
- Academician of the Montenegrin Academy of Sciences and Arts (Podgorica, Montenegro) December 19, 2008.
- Academician (Foreign Member) of the Academy of Sciences and Arts of Srpska Republic (Bosnia-Herzegovina). March 17, 2011.
- Academician (Active Member) of the European Academy of Sciences and Arts (Salzburg, Austria). March 2, 2013.



“HONORIS CAUSA” DOCTORATES

He has been invested as Doctor “Honoris Causa” at the following thirty-two Universities:

- Doctor “Honoris Causa” of the University of Sofia (Bulgaria). October 21, 1993.
- Doctor “Honoris Causa” of the State Economic University of Belarus (Minsk). January 31, 1995.
- Doctor “Honoris Causa” of the University of Buenos Aires (Argentina). November 22, 1995.
- Doctor “Honoris Causa” of the Rovira i Virgili University (Spain). March 10, 1997.
- Doctor “Honoris Causa” of the University of Vigo (Spain). April 15, 1997.
- Doctor “Honoris Causa” of the University of Reggio Calabria (Italy). November 7, 1997.
- Doctor “Honoris Causa” of the Oriente University (Santiago de Cuba). November 18, 1997.
- Doctor “Honoris Causa” of the University of Lipetsk (Russian Federation). March 23, 1999.
- Doctor “Honoris Causa” of the University of Perpignan (France). February 22, 2000.
- Doctor “Honoris Causa” of the State University Ukraine of Nicolaev (Ukraine). March 31, 2000.
- Doctor “Honoris Causa” of the University of Leon (Spain). May 10, 2002.
- Doctor “Honoris Causa” of the University of La Réunion (France), September 27, 2002.
- Doctor “Honoris Causa” of the University Montesquieu of Bordeaux (France) May 13, 2003.
- Doctor “Honoris Causa” of the University of Messina (Italy) February 27, 2004.
- Doctor “Honoris Causa” of the L.N. Gumilyov Eurasian National University. Eurasian University of Astana (Kazakhstan), August 26, 2004.

- Doctor "Honoris Causa" of the University of Girona (Spain), October 21, 2004.
- Doctor "Honoris Causa" of the University of Petrosani (Romania), May 23, 2005.
- Doctor "Honoris Causa" of the Center for Research and Development of the State of Morelia (Mexico), September 13, 2005
- Doctor "Honoris Causa" of the Azerbaijan State Economic University. Baku. Azerbaijan. November 12, 2007.
- Doctor "Honoris Causa" of the King Juan Carlos University of Madrid (Spain), January 28, 2008.
- Doctor "Honoris Causa" of the Santiago de Compostela University (Spain), April 23, 2008.
- Doctor "Honoris Causa" of the Timisoara University. Romania. April 22, 2009.
- Doctor "Honoris Causa" of the Belorussian State University. Minsk, June 15, 2009.
- Doctor "Honoris Causa" of the Odlar Yurdu University. Baku. Azerbaijan. December 22, 2011.
- Doctor "Honoris Causa" of the Technical University of Crete, Greece. December 14, 2012.
- Doctor "Honoris Causa" of the Lucian Blaga University of Sibiu, Romania. May 16, 2014.
- Doctor "Honoris Causa" of the University of Málaga, Spain. November 6, 2014.
- Doctor "Honoris Causa" of the XXI Century University of Córdoba, Argentina. February 19, 2015.
- Doctor "Honoris Causa" of the Academy of Economy from Moldavia, Moldavia. September 23, 2016.
- Doctor "Honoris Causa" of University of Extremadura, Spain. Caceres, November 16, 2017.
- Doctor "Honoris Causa" of the Academy of Economy Studies from Bucharest, Romania. October 9, 2019.

- Doctor “Honoris Causa” of the University of Kragujevac (Serbia), May 20, 2023.



DECORATIONS AND MEDALS

- Officier de l'Ordre des Palmes Académiques (France). August 1, 1972.
- Chevalier de l'Ordre National du Mérite de France (France). February 25, 1989.
- Gold Medal of the Administration School of Business of Barcelona (Spain).
- Medal of the Faculty of Economic and Business Sciences of Barcelona (Spain)
- Medal of the University of Barcelona (Spain).
- Honour Medal of the "Centre d'Etudes Pratiques d'Informatique et d'Automatique de Paris" (CEPIA). Rocquencourt. (France).
- Gold Medal of the Technical University of Crete (Greece).
- Bicentenary Medal from the Los Andes University. (Venezuela).
- Gold Medal of the Moisil Foundation (Romania).
- Honour Medal of the National Institute of Inventica (Romania).
- Grand Cross of Alfonso X "the Wise." (Cabinet Meeting) Spain. November 5, 1999.
- Medal of the Montpellier Academy (France). October 13, 2000.
- Medal of the Mediterranean University of Reggio Calabria (Italy). September 5, 2001.
- Medal of La Réunion University. Saint Denis (France). September 27, 2002.
- Medal of the Montesquieu University of Bordeaux (France). May 13, 2003.
- Medal of the Eurasian University of Astana (Kazakhstan), August 26, 2004.
- Commander of the Order of the Throne of Morocco Kingdom , September 28, 2004.
- Medal of the University of Tunis, (Tunisia), February 4, 2005.
- Commander of the Order of Cultural Merit of Romania (Romania) April 4, 2006.

- Medal of the Fiftieth Anniversary of the Polish Academy of Sciences, April 12, 2008.
- Commander of the Order of National Merit of Romania. October 11, 2011.
- Medal for the Centenary “Pierre Werner” of Romania. May 16, 2014.
- Medal of the Science Academy of Moldavia. Moldavia, June 10, 2016.
- Medal of the Economical Studies Academy of Moldavia. Moldavia, September 23, 2016.
- Diploma of Appreciation of the University “Vest diu Timisoara” from Timisoara, Romania, September 25, 2016.



AWARDS AND HONOURABLE DISTINCTIONS

- Illustrious Son of Reus (Spain), June 30, 1992.
- Moisil Award of the Moisil Foundation (Romania), August 1993.
- “Henry Coanda” Award of the Institutul National de Inventica (Romania).
- Honorary Member of the Balkan Union of Fuzzy Systems and Artificial Intelligence. April 9, 1991.
- Honorary Member of the Romanian Society for Fuzzy Systems (Romania).
- Honorary Member of the German Society for Applied Sciences (Germany). May 23, 1997.
- Diploma of Honour from the Faculty of Economic and Social Sciences of Los Andes University (Venezuela). February 5, 1999.
- Calabria Award from the Circolo di Cultura e di Relazione Internazionali (Italy). March 20, 2000.
- International Price Anassilaos of Art, Culture and Science. Reggio Calabria (Italy). June 13, 2002.
- International Kaufmann Prize 2002 of FEGI. Reus (Spain). November 7, 2002.
- Gold and Diamond Medal of Football Club Barcelona. Barcelona (Spain). December 4, 2002.
- Honorary Guest of the City of Cartagena de Indias (Colombia). September 8, 2004.
- Honorary Member of the “National Institute of Economic Research” Romanian Academy’s. Bucharest (Romania). March 14, 2005.
- Honorary Guest of the City of Morelia. Michoacan. (México). April 28, 2005.
- Alecsandru P. Tacu International Prize 2005. Iasi (Romania). May 5, 2005.
- Gaudi-Gresol Prize for Notoriety and Excellence in Economy. Reus (Spain). June 3, 2010.
- Key of Barcelona 2010. Barcelona(Spain). November 22, 2010.

- Professional Recognition Prize of 2012. Barcelona (Spain). February 6, 2012.
- “Summa Cum Laude” of the Romanian Economics Faculties Association (AFER). Timisoara (Romania), September 25, 2016.
- Honorary Medal of the Royal Academy of Economy and Financial Sciences. Barcelona (Spain), December 20, 2017.



OFFICES POSITIONS IN NATIONAL AND INTERNACIONAL INSTITUTIONS

- Chartered Accountant and Member of the Registry of Auditors (on sabbatical leave). January 19, 1979.
- Founding Member of the European Foundation for Management Development (Brussels).
- Founding Member of the European Association for Company Management and Economy (AEDEM).
- Honorary President and Founder of the International Society for Fuzzy Management and Economy (SIGEF).
- Member of the Board and of the Scientific Committee of the Spanish Accounting Management Association (ACODI) from its foundation until 1999.
- President of the Moisil International Foundation (Romania), since 1993.
- President of the International Association for Advancement of Modelling and Simulation AMSE, Lyon (France), since December 1995.
- President of the Board of the Business Administration School Foundation of Barcelona until November 2004. (Spain).
- Vice-president of the Management Study in Uncertainty Foundation (FEGI), Spain.
- Member of the Scientific and Research Board of INSEAC (Bordeaux-France).
- Member of the Consultant Board of the Higher Institute of Applied Economy (ISEA) of Barcelona until 2005. (Spain).
- President of the External Relations Committee of ACODI (Asociacion Española de Contabilidad Directiva) since 1999.
- Member of the International Advisory Committee of the International School for Information Technology (ISIT). Andhra Pradesh (India), from 2001.
- President of the "Royal Academy of Economic and Financial Sciences" (Spain), since February 20, 2002.
- President of the European Foundation of Management and Economic of the Company, since September 2010 to May 2013.

- Member of the “Fondation Jean Monnet pour l’Europe” Council (Lausanne), since June 5, 2013.
- Member of the Scientific Committee of the Ilumno Net Investigation Center. Whitney International. Miami (Florida), since Novembre 17, 2013.
- Honorary Vicepresident of the “Fundatia Nationala Pentru Stiinta si Arta”. Bucarest 2013.



TEACHING BACKGROUND

- Professor since October 1, 1959 at the Faculty of Economic Science of the University of Barcelona until September 1967 (Spain).
- Full Professor selected by competitive examination in 1965 of Applied Accountancy and Business Techniques at the Professional Commercial School (Spain).
- Full Professor selected by competitive examination since 1967 in Business Economics at the University of Barcelona until September 2006 (Spain).
- Titular Professor at the Business Administration School since the academic year of 1968/69 to the academic year 1972/73 (Spain).
- Professor of “Microéconomie Approfondie” at the University of Paris IX “Dauphine” since the academic year of 1992/93 to 1997/98. Paris, (France).
- Emeritus Professor “Rovira i Virgili” University, Reus (Spain) since November 2007 until September 25, 2012 (Spain).
- Currently Emeritus Professor of the Spanish University.



UNIVERSITY OFFICES

- Secretary of the Faculty of Political, Economic and Commercial Sciences at the University of Barcelona, for the academic years 1967/68 and 1968/69 until march 1969 (Spain).
- Director of the Department of Economics and Business Organisation at the Faculty of Political, Economic and Commercial Sciences of Barcelona by Ministerial Order dated 12-1-68 and Certificate of Election dated August 2, 1968, until January 31, 1994 (Spain).
- Assistant Director of Business Administration School since October 18, 1968 until April 1972 (Spain).
- Member of the Management Committee of the Business School in Reus (Spain).
- Member of the Management Committee of the Faculty of Economic and Business Sciences at the Rovira Virgili University, Reus (Spain) since May 1992.
- Member of the Advisory Council of the “Agencia para a calidade do sistema univesitario de Galicia” (ACSUG). Since December 2015.



ACADEMIC ACTIVITIES

- A considerable number of Seminars since 1960 until 1982 were conducted under his direction at the University of Barcelona.
- He has taught in the Doctoral Courses at the University of Barcelona from 1967 until 2006, and at the Rovira i Virgili University (Spain) from its founding until 2012.
- Appointed to take part in several competitive Examination Tribunals both for Chairs at the University Schools as well as at other provincial and local institutions.
- Dean of the "Higher Business Management" branch of the Business Administration School of Barcelona from the academic year 1969/70 to 1982/83.
- Direction and Organisation of the Seminar conducted by Professor A. Kaufmann about the subject: *Initiation to the Theory of fuzzy sub-sets and their application to business management*. Faculty of Economic Science, University of Barcelona, June 7 and 8, 1983.
- Direction and Organisation of the Data Processing Seminar *Méthode Meurice* at the Abad Oliba Foundation. Conducted in conjunction with Professors M. Pannetrat of S.E.M.A. and M. Othman from the Centre d'Etudes Pratiques d'Informatique et d'Automatique (CEPIA). Barcelona, December 8-13, 1985.
- Direction and Organisation of the Seminar conducted by Professor A. Kaufmann on the subject of: *Application of the Theory of fuzzy sub-sets to business management*. Faculty of Economic Science. University of Barcelona, April 9 and 10, 1986.
- Organisation of the Seminar on *Artificial Intelligence and Expert Systems* at the Abad Oliba foundation. Carried out with Professors from CEPIA. Barcelona, November, 1986.
- Organisation and direction of the Seminar on: *Autoédition*. Computer Assisted Publication, in charge of Professors from the Sophie Antipolis Foundation, at the Abad Oliba Foundation. November 29 and 30 December 1, 1989.
- Member of the Organising Committee for the IV Conference of the Spanish Association for Business Management and Economy (AEDEM). Reus, May 30 and 31 and June 1, 1990.
- Deputy Chairman of the Organising Committee for the II European Conference of AEDEM. Minsk, September 20-22, 1993.

- Director of the Scientific Committee of the *Symposium on Fuzzy Systems & Neural Networks* of AMSE. Lyon (France), July 4-6, 1994.
- Member of the Honour Committee of the III European Conference of AEDEM. Bucharest, (Romania), September 5-7, 1994.
- Member of the Advisory Committee and Chairman of the Fuzzy Systems in Economy section of the 3er. International Conference on Fuzzy Logic and Artificial Intelligence. Bucharest, (Romania), October 28-30, 1994.
- Member of the Scientific of the 1st. International Conference on Fuzzy Management and Economy. Reus (Spain), November 16-18, 1994.
- Member of the *Evaluation Plan on Scientific Research* of the University of Buenos Aires (Argentina), April 24-29, 1995.
- Chairman of the Symposium and Member of the Scientific Committee of the International Conference on Systems Analysis, Control and Design SYS'95. Brno (Check Republic), July 3-5, 1995.
- Member of the Honour Committee of the Fourth International Conference of AEDEM. Sophia, (Bulgaria), September 18-20, 1995.
- Member of the Scientific Board of the Xth National Conference and VI Spanish-French Conference of AEDEM. Granada (Spain), June 11-14, 1996.
- Co-Chairman of the Scientific Committee and Member of the Referees Board of the International Conference on Intelligent Technologies in Human-Related Sciences (ITHURS'96). Leon (Spain), July 5-7, 1996.
- Member of the Scientific Committee of the Vth International Conference of AEDEM. Prague, (Check Republic), September 9-11, 1996.
- General Chairman of the International Conference on Communications, Signals and Systems CSS'96 and Chairman of the Plenary Meeting. Brno (Check Republic), September 10-12, 1996.
- Member of the International Scientific Committee of the III International Inventics Conference, *Inventica* '96. Iasi (Romania), October 9-13, 1996.
- Member of the Scientific Committee and Chairman of the Section on *Diagnostic et Tipologies* of the III International Meeting des Approches Connexionistes en Sciences. Nantes (France), October 25, 1996.

- Chairman of the Scientific Committee of the III Conference of the International Society of Fuzzy Management and Economics. Buenos Aires (Argentina), November 10-13, 1996.
- Chairman of Financial Markets and Portfolio Theory of the 19th Meeting of the Euro Working Group on Financial Modelling. Chania, Crete (Greece), November 28-30, 1996.
- Member of the International Scientific Committee of the IV International Conference on Patterns Recognition and Information Processing. Minsk, (Belorussia), May 20-22, 1997.
- Member of the Scientific Committee of the XI National Conference and VII Spanish-French Conference of AEDEM. Lerida, (Spain), June 18-20, 1997.
- Chairman of the International Symposium on Intelligent Systems ISIS'97. Reggio Calabria (Italy), September 11-13, 1997.
- Member of the Scientific board and Section Chairman of the VI International Conference of AEDEM. Chania (Greece), September 15-17, 1997.
- Member of the Scientific Committee of the VII Spanish Conference on Fuzzy Technology and Logic. Tarragona (Spain), September 15-18, 1997.
- Member of the Scientific Committee of the IV International Meeting *Approches Connexionistes en Sciences Economiques et en Gestion*. Tours (France), October 24, 1997.
- Member of the International Programme Committee of the "Third International Conference on Modelling and Simulation MS'97". Melbourne (Australia), October 29-31, 1997.
- Chairman of the Scientific Committee of the IV Conference of the International Society for Fuzzy Management and Economics. Santiago de Cuba (Cuba), November 17-19, 1997.
- Chairman of the International Conference on Contribution of Cognition Modelling CCM'98. Lyon (France), July 6-8, 1998.
- Chairman of the Scientific Committee of the VII Spanish Conference on Fuzzy Technologies and Logic. Pamplona (Spain), September 8-10, 1998.
- Member of the Scientific Board and Chairman of the VII International Conference of the European Association of Management and Business Economics (AEDEM). Istanbul (Turkey), September 8-10, 1998.

- Member of the International Programme Committee of the *International Conference on Systems, Signal, Control, Computers (SSCC'98)*. Durban (South Africa), September 22-24, 1998.
- Chairman of the International Conference on Systems and Signals in Intelligent Technologies. Minsk (Belorussia), September 28-30, 1998.
- Member of Scientific Committee of the V International Meeting ACSEG *Données complexes. Modélisation et Analyse*. Louvain-la-Neuve (Belgium), November 20, 1998.
- Chairman of the Scientific Committee of the SIGEF Conference on Uncertainty Logics. Applications to Economics and Management. Lausanne (Switzerland), November 24-27, 1998.
- Chairman of the International Committee and Member of the Scientific Committee of the MS'99 International Conference on Modelling and Simulation. Santiago de Compostela (Spain), May 17-19, 1999.
- Member of the Scientific Committee of Joint Conference EUSFLAT-ESTYL-1999. Palma de Malloca (Spain), September 22-25, 1999.
- Chairman and Member of the International Committee of Congress ICAI'99 International Conference on Artificial Intelligence. Durban (South Africa), September 24-26, 1999.
- President of the Scientific Committee of the VI Congress of the International Society for Fuzzy Management and Economy. Morelia (Mexico), November 15-17, 1999.
- President of Scientific Committee of the VI Conference of International AMSE Conference on Computer Modelling, Simulation and Communication. Jaipur (India), December 1-3, 1999.
- Member of Scientific Committee of the VI International Meeting ACSEG *Advances in Computational Management*. Reus (Spain), December 10, 1999.
- Chairman of the International Conference on Modelling and Simulation MS'2000. El Cairo (Egypt), April 11-14, 2000.
- Member of the Scientific Committee of the XIV National Conference and X Spanish French Conference of AEDEM. Jaen (Spain), June 7-9, 2000.
- Coordinator of the course on *Financial and Commercial Management of Sporting Entities*. University of Barcelona, (Spain), July 17-21, 2000.

- Member of the Scientific Conseil of the IX International Conference AEDEM. (European Association of Management and Business Economics). Temuco (Chile), September 5-7, 2000.
- President of the Scientific Committee of the VII SIGEF Conference. *Decision Marketing under uncertainty in the global environment of the 21st Century*. Chania, Creta (Greece), September 18-20, 2000.
- Member of the Scientific Committee of the X Spanish Conference about Technologies and Fuzzy Logic (V Working Days about Transference of Fuzzy Tecnology) ESTYLF 2000. Sevilla (Spain), September 20-22, 2000.
- Chairman of the International Committee of MS'2000. International Conference on Modelling and Simulation. Las Palmas de Gran Canaria (Spain), September 25-27, 2000.
- Chairman of the International Committee of the MSNN'2000 International Conference on Modelling, Simulation and Neural Networks. Merida (Venezuela), October 22-24, 2000.
- Member of the Scientific Committee of the VII International Meeting ACSEG (Connectionist Approaches in Economics and Management Sciences). Paris (France), December 14-15, 2000.
- Member of the Scientific Committee and the Organization Committee of the International Conference CSS'01. "Communications Signaux et Systèmes". Rabat (Morocco), March 19-21, 2001.
- Member of Scientific Committee of the X IFORS Conference *New Trends in Banking Management*. Athens (Greece), April 1-3, 2001.
- Chairman of the International Conference on Modelling and Simulation MS'2001. Lviv (Ukraine), May 23-26, 2001.
- Member of the International Scientific Committee of CSBC' 2001. International Conference. Lipetsk (Russia), June 4-6, 2001.
- Member of the Scientific Committee of the XV National Conference and XI Spanish-French Conference of AEDEM *La Empresa Deslocalizada* (Deslocalised business) University of Las Palmas de Gran Canaria (Spain), June 13-15, 2001.

- Member of the Honorary Committee of the VII Conference of International Institute of Costs and II Conference of the Spanish Association of Directive Accounting. *Cruzando Fronteras: Tendencias de Contabilidad Directiva para el siglo XXI* (Crossing Borders: Tendencies of Management Accounting for the XXI Century). León (Spain), July 4-6, 2001.
- Member of the Scientific Committee of the X International Conference AEDEM *New Economy, old Problems*. Università degli Studi de Reggio Calabria. Reggio Calabria (Italy), September 4-6, 2001.
- President of Scientific Committee of the VIII SIGEF Conference *New logics for the New Economy*. Università di Napoli Federico II. Napoli (Italy), September 20-21, 2001.
- Honorary Chairman of the *International Conference on Modelling and Simulation in Distributed Applications* of AMSE. National University of Defence Technology. Changsha, Hunan (China), September 25-27, 2001.
- Member of the Scientific Committee of the International Conference *Les défis du sport professionnel*. Group ESCP-EAP. Paris, October 4-5, 2001.
- Member of the Scientific Committee of the VIII International Meeting of ACSEG. Rennes, (France), November 22-23, 2001.
- Member of Organization Committee of the International Conference on Business Decision and Technology BDT'02. Kuwait University. Kuwait City. March 18-20, 2002.
- Member of the Scientific Committee of the XI National Conference and XII Spanish-French Conference of AEDEM *La empresa intangible*. University of Alicante (Spain), June 5-7, 2002.
- Member of the Scientific Committee of the International Conference on Modelling and Simulation in Technical and Social Sciences (MS'2002), University of Girona. Girona (Spain), June 25-27, 2002.
- Member of Scientific Council of The XI International Conference of AEDEM *The limits of the enterprise*. University Paris IX "Dauphine". Paris (France), September 2-4, 2002.
- Member of Scientific Committee of XI Spanish Conference about Technology and Fuzzy Logic ESTYLF 2002. León (Spain), September 17-20, 2002.

- Member of the International Scientific Committee of the VIII Biennial National of Vietnam Conference on Radio and Electronics (REV'02). Hanoi, (Vietnam), November 2-4, 2002.
- Member of the International Committee of IV International Conference on Modelling and Simulation. Victoria University. Melbourne (Australia), November 11-13, 2002.
- Member of Scientific Committee of IX International Meeting ACSEG. University of Littoral. Boulogne-sur-Mer (France), November 21-22, 2002.
- President of Scientific Committee of International Conference IX SIGEF *Emergent Alternatives for Solutions to Economic Problems*. Merida (Venezuela), November 25-27, 2002.
- President of the Scientific Committee of the World Conference on Economic Management in Sport. *Los nuevos enfoques económicos y sociales del deporte para un escenario mundial diferente* [New economic and social approaches in sport for a different world scenario]. World Trade Center. Barcelona (Spain), May 14-16, 2003.
- Member of the Scientific Board of the XVII Annual Conference and XIII Spanish-French Conference of AEDEM, *Evolución, resolución y saber en las organizaciones* [Evolution, Revolution and Knowledge in Organizations]. Montesquieu University, Bordeaux (France) June 4-6, 2003.
- Member of the Honour Committee of the Virtual International Conference, *Intangibles Psicología, Contabilidad, Derecho, Economía* [Intangibles, Psychology, Accounting, Law, Economy]. University of Santiago de Compostela (Spain), June 2003.
- Chairman of the Mediterranean Conference on Modelling and Simulation MCMS'03. University of Reggio Calabria (Italy), June 25-27, 2003.
- Member of the Scientific Board of the XII International AEDEM Conference, *El gobierno equilibrado de las empresas* [Balanced Government of Business]. Santiago de los Caballeros (Dominican Republic), September 2-4, 2003.
- Chairman of the Scientific Terminology Section of the Congress *Penser l'Europe* organised by the Romanian Academy and UNESCO. Brasov (Romania). October 2-5, 2003.
- Co-Chairman of the Scientific Committee of the Xth SIGEF Conference *Emergent Solutions for the Information and Knowledge Economy*. León (Spain), October 9-11, 2003.

- Member of the Scientific Committee of the X International Meeting ACSEG. University of Nantes (France), November 20-21, 2003.
- Chairman of the MS'2004 International Conference on Modelling and Simulation. Belarussian State University. Minsk (Belorussia), April 27-29, 2004.
- Member of the Scientific Committee and Session Chairman of the XVIII Annual Conference and XVI Spanish-French Conference. University of Vigo. Orense Campus. Orense (Spain), June 2-4, 2004.
- President of the Scientific Committee for MS'2004- France Conference. *Claude Bernard- Lyon I*. Lyon (France), July 5-7, 2004.
- Member of the Scientific Committee for the XIII International AEDEM Conference *El espíritu emprendedor en ambientes complejos* [The enterprising spirit in complex environments]. Bolivar Technological University. Cartagena de Indias (Colombia), September 8-10, 2004.
- President of the Scientific Committee of the International Conference on Modelling and Simulation ICMS'04. Valladolid University (Spain), September 22-24, 2004.
- Member of the International Committee for the Scientific Conference *Higher Education*. Perspective: the Role of Inter-University Consortia (HEP'04). Regional Inter. University Center. Mikolaiev (Ukraine), September 30 - October 2, 2004.
- President of the Scientific Committee for the XI Conference of the International Association for Fuzzy Set Management and Economy. Engineering Faculty of the University of Reggio Calabria and Economy Faculty of the University of Messina (Italy), November 8-10, 2004.
- Chairman of the International Conference on Modelling and Simulation (AMSE-2005). Michoacana University of San Nicolas de Hidalgo. Morelia (México), April 27-29, 2005.
- Honorary Chairman and Member of the International Scientific Committee for the SASM-2005 Conference. Technical University "Gh. Asachi". Iasi (Romania), May 5-7, 2005.
- Honorary Member of "Seminar for Fuzzy Systems A. I. Grigore C. Moisil", for the 25th Anniversary (1980-2005). Iasi, Romania, May 2005.
- Member of the Scientific Committee and Chairman of the work sessions for the XIX Annual Conference and XV Spanish-French Conference of AEDEM. Basque Country University. Vitoria (Spain), June 8-10, 2005.

- Member of the Scientific Committee of the XIV International Conference of AEDEM Michoacana University of San Nicolas de Hidalgo. Morelia (México), September 8-10, 2005.
- Member of the Programming Committee for the Symposium on Fuzzy Logic and Soft Computing. University of Granada (Spain), September 14-16, 2005.
- Co-Chairman of the II Conference *Penser 'Europe* [Thinking Europe]. Romanian Academy, Sinaia, (Romania), September 29-30, 2005.
- President of the Scientific Committee of the XII Conference of the International Association of Management and Fuzzy Economy (SIGEF). National University of the South. Bahia Blanca (Argentina), October 26-28, 2005.
- Member of the Committee of Honour and President of the Scientific Committee of the International Conference ICMS 2005 *General Applications and Models in Engineering Science*. Marrakech (Morocco), November 22-24, 2005.
- Member of the International Committee for the Modeling and Simulation MS 2006 Conference. University of Malaya. Kuala Lumpur (Malaysia), April 3-5, 2006.
- Member of the Honour Committee of the International Conference on Modelling and Simulation. Selcuk University. Konya (Turkey), August 28-30, 2006.
- Member of the Honour Committee and the Scientific Committee of the XV International AEDEM Conference *The Limits of the Social Responsibility of Business*. Buenos Aires (Argentina), September 4-6, 2006.
- Member of the Scientific Committee of the XII Spanish Conference on Fuzzy Technologies and Fuzzy Logic ESTYLF'06. Ciudad Real (Spain), September 20-22, 2006.
- President of the Scientific Committee of the International Conference on Modelling and Simulation in Economics and Management, MSEM'06. South National University. Bahia Blanca (Argentina), September 27-29, 2006.
- Chairman of the Scientific Committee of the XIII SIGEF Conference *Optimisation Techniques: Fuzzyness and Nonlinearity for Management and Economy*. The Higher Institute of Management. Hammamet (Tunisia), November 30- December 2, 2006.
- Member of the Scientific Council of the XXI Annual AEDEM Conference *Empresa global y mercados locales* [Global business and local markets]. Universidad Rey Juan Carlos. Madrid (Spain), June 6-8, 2007.

- Co-President of the Symposium *Economie et culture*. Romanian Academy. Sibiu (Romania), June 9, 2007.
- Member of the Honour Committee of the International Conference on Modelling and Simulation MS'07 Algiers. Algeria, July 2-4, 2007.
- Member of the Scientific Committee of the XVI International Conference Society and University. Business in a Colaborative world *European Academy of Management and Business Economics*. Cracow (Poland), September 3-5, 2007.
- Member of the Program Committee for the Symposium on Fuzzy Logic and Soft Computing LFSC'2007. EUSFLAT. Zaragoza, September 11-14, 2007.
- President of the Scientific Committee and Chairman of the Plenary 2 Session of the XIV Conference of the International Association for Fuzzy- Set Management and Economy. University Transilvania. Brasov (Romania), November 1-3, 2007.
- Co-Chairman of the First International Conference on Soft Computing Technologies in Economy. Azerbaijan State Economic University. Baku (Azerbaijan), November 19-21, 2007.
- Member of the Honour Committee of II International Conference of Economy and Management, ECON 2008. Buenos Aires (Argentina), June 2-5, 2008.
- Chairman of the Conference *Models and Simulations in Engineering, Economics and Management, and General Applications MS'08*. Palma de Mallorca, (Spain), June 18-20, 2008.
- Member of Scientific Committee of MS'08 Conference. Balears Islands University, (Spain), June 18-20, 2008.
- Member of the Scientific Committee of XXII Annual Conference of European Academy. Salamanca (Spain), June 18-20, 2008.
- Member of the Scientific Committee of the VII International Seminar *Penser l'Europe*. Sinaia (Romania), October 9-12, 2008.
- Member of the Scientific Committee of the International Multidisciplinary Simposium, Integration into the European Research Area. Petrosani (Romania), October 16-17, 2008.
- President of the Scientific Committee of the MS'08 Jordan International Conference on Modelling and Simulations. Al-Hussein Bin Talal University. Petra (Jordania), November 18-20, 2008.

- Member of the International Scientific Committee of the 10th International Conference, Pattern Recognition and Information Processing. Belarusian State University. Minsk,(Belorrusia), May 19–21, 2009.
- Member of the Scientific Committee of the VIII International Seminar *Penser l'Europe*. Bucharest, (Romania), October 2-3, 2009.
- Chairman of the Scientific Committee of the XV SIGEF S *Conference Economics and Financial Crisis: New Challenges and Perspectives*. Lugo (Spain), October, 28-30, 2009.
- President of the Committee of Honour of the 4th International Conference of French- Australian Center for International Research in Management, Globalisation and Governance. Royal Academy of Economics and Financial Sciences. Barcelona (Spain), November 10-12, 2009
- Member of the Honour Committee of the International Conference *Economics Management and Optimization in Sports. After the Impact of the Financial Crisis*. Barcelona (Spain), December 1-3, 2009.
- President of the Honour Committee of the MS'10 International Conference. Barcelona (Spain), July 15-17, 2010.
- Member of the General Committee of Drafting of the "Nova Enciclopedie a României". Romanian Academy. Bucharest (Romania), July 21, 2010.
- Honorary President of the XIX International Conference AEDEM 2010. Global Financial and Business Networks and Information Management Systems. Minsk (Belorussia), September 2-3, 2010.
- Member of the Scientific Committee of the IX Seminar *Penser l'Europe*. Bucharest (Romania), October 8-9, 2010.
- Member of the Scientific Committee of the International Multidisciplinary Symposium. Petrosani (Romania), October 14-15, 2010.
- President and Member of the Scientific Committee of the XVI International Conference of SIGEF, *Economical and financial Systems in Emergent Economies*. The Illustrious Iberoamerican Academy of Doctors. A. G. Morelia (México), October 28-29, 2010.
- Member of the Scientific Council of the XXV Annual Conference of AEDEM: *Los mercados del mañana: bases para su análisis hoy* [The Markets Tomorrow: Bases for its Analysis Today]. Valencia (Spain), Juny 8-10, 2011.

- Member of the Committee of Council IFSA Word Conference AFSS International Conference Surubaya. Bali Island (Indonesia), Juny 21-25, 2011.
- Member of the Scientific Committee of the XX International Conference AEDEM 2011 The New Economic International Relationships in the Light of Future Economic Recovery. Podgoriça (Montenegro), September 5-6, 2011.
- Member of the Scientific Committee of the X International Seminar *Penser l'Europe*. Bucharest (Romania), October 14-15, 2011.
- Member of the Scientific Committee of the International Conference of the Post-Doctoral Research *Performances Economiques*. Universitatea of Vest din Timisoara. Timisoara (Romania), April 26-28, 2012.
- Member of the Honour Committee and Scientific Committee of the XXVI Annual Conference of the European Academy of Management and Business Economics (AEDEM). *Greating New Opportunities in an Uncertain Environment*. Barcelona University (Spain), Juny 5-7, 2012.
- Co-Chairman of the XVII International Conference SIGEF. "Methods for Decision Making in an Uncertain Environment". Rovira i Virgili University. Reus (Spain), Juny 6-8, 2012.
- Member of the Scientific Committee of the 2nd International Conference of the Financial Engineering and Banking Society (F.E.B.S.) "Recent Developments in Financial Markets and Banking". London (Great Britain) Juny 7-8, 2012.
- Member of the Scientific Committee of the XXI International Congress of the European Academy of Management and Business Economics. Budapest (Hungary) September 3-4, 2012.
- Member of the Scientific Committee of the XI International Seminar *Penser l'Europe*. Bucharest (Romania), October 5-6, 2012.
- Member of the Honour Committee of the "MS 12 International Conference Decision Making Systems in Business Administration". Rio de Janeiro (Brazil), December 10-13, 2012.
- Member of the Scientific Committee of the 20th International Economic Confrence IECS 2013. *Post Crisis Econom: Challenges and Oportunities*. University of Sibiu (Romania), May 17-18, 2013.
- Member of the Scientific Committee of the XXII Internatinal Congress of the European Academy of Management and Business Economics in Aalen (Germany), September 2-3, 2013.

- Member of the Scientific Committee of the XIIth International Seminary *Penser l'Europe*. Bucharest (Romania), October 4-6, 2013.
- Member of the Scientific Committee of the 1st International Conference, ESPERA 2013, "Economic Research Theoretical, Empirical and Practical Approaches". Romanian Academy, Bucharest (Romania), December 11-12, 2013.
- Member of the Scientific committee of the XIIIth International Seminary *Penser l'Europe*. Bucharest (Romania), October 3-4, 2014.
- President of the Scientific Committee of the XVIIIth SIGEF CONGRESS "Scientific Methods for the Treatment of Uncertainty in Social Sciences". University of Girona (Spain), July 6-8, 2015.
- Member of the Scientific Committee of the XIVth International Seminary *Penser l'Europe*. Bucharest (Romania), October 2-3, 2015.
- Member of the Honorary Committee of the "IInd International Congress of Research, Innovation and Regional Development". Torreón Coahuila and Gómez Palacio (México), October 14-16, 2015.
- Member of the Scientific committee and the Advisory Committee of the "XXIVth International Conference of the Forum for Interdisciplinary Mathematics". University of Barcelona (Spain), November 18-20, 2015.
- Member of the Honorary Committee of the MS'16 Chile Congress. "International Conference on Modelling and Simulation". University of Chile, Santiago de Chile (Chile), January 20-22, 2016.
- Member of the Scientific Committee of the XXVth International Congress of AEDEM. "People, source of innovation and value creation in the organization" Riga International School of Economics and Business Administration. Riga (Letonia), September 1-2, 2016
- Member of the Scientific Committee of the XVth International Seminar *Penser l'Europe*. Bucharest (Romania), September 19- October 1, 2016.
- Member of the Scientific Committee of the XXVI European Academy of Management and Business Economics Conference. Reggio Calabria, Italy, September 4-5, 2017.
- Member of the Scientific Committee of the XVI International Seminar *Penser l'Europe*. Bucharest, Romania, September 28-30, 2017.

- Member of the Scientific Committee of the 5th International Conference ESPERA 2018: the Romanian Economy. A century of Transformation (1918-2018). Bucharest, Romania, May 24-25, 2018.
- Member of the Scientific Committee of the XVII International Seminar *Penser l'Europe*. Bucharest, Romania, September 21-23, 2018.
- Member of the Scientific Committee of the XXVII International Conference of the European Academy of Management and Business Economics (AEDEM). Bucharest, Romania, September 4-5-, 2018.
- Member of the Scientific Committee of the XXVIII International Conference of the European Academy of Management and Business Economics (AEDEM). Tokyo, Japan, September 3-4, 2019.
- Member of the Scientific Committee of the XVIII International Seminar *Penser l'Europe*. Bucharest, Romania, October 3-5, 2019.
- Member of the Scientific Committee of the 6th International Conference ESPERA 2019: "Harnessing Tangible and Intangible Assets in the Context of European Integration and Globalization. Challenges Ahead"- Bucharest, Romania, October 10-11, 2019.
- Member of the Scientific Committee of XXXIV International Conference of the European Academy of Management and Business Economics (AEDEM). Reus , Spain, September 17-18, 2020.
- Member of the Scientific Committee of the XIX Seminario Internacional *Penser l'Europe*. Bucharest, Romania, December 13, 2021.
- Member of the Scientific Committee of the XXXVI Annual AEDEM Congress. "Leveraging new business technology for sustainable economic recovery," June 1-3, 2022.
- Member of the Scientific Committee of the XX Seminario Internacional *Penser l'Europe: Penser l'Europe penser le monde*. Bucharest, Romania, September 28-29, 2023.
- Member of the Scientific Committee of the XXI Seminario Internacional *Penser l'Europe: Jusqu'où l'Union Européenne peut-elle s'élargir sans perdre son identité et donc son unité*. Bucharest, Romania, October 3-4, 2024.
- Member of the Scientific Committee of the XXXIX International Annual Meeting of AEDEM, June 11-13, 2025. University of Cantabria. Santander. AEDEM: "European Academy of Management and Business Economics."

- Member of the Scientific Committee of the XXII Seminario Internacional *Penser l'Europe*. Bucharest, Romania, October 2–3, 2025.



PARTICIPATION IN MAGAZINES

- Scientific Adviser to the *Revista Española de Financiación y Contabilidad* between 1972 to 1978.
- Associate Editor of the magazine *Fuzzy Systems and A. I. Magazines* Romanian Academy. Romania.
- Member of the Scientific Committee of the *Revista de Economía y Empresa*.
- Member of the Scientific Board of the *European Magazine for Business Economy and Management*, since its foundation.
- Member of the Editing Committee of the *Revue d'Inventique* published by the Institut National d'Inventique de Iasi (Romania), since January 1995.
- Member of the Scientific Board of the magazine *European Research in Business Management and Economy* since its foundation in January 1995.
- Director of the magazine *Fuzzy Economic Review* since its foundation in November 1995.
- Member of the Editing Committee of the *Revue Roumaine des Sciences Economiques* since January 1996.
- Honorary Advisor to *Publishing House. Techniques and Technologies* (Romania) since May 1996.
- Member of the Advisory Board of the *Biblioteca Civitas de Economía y Empresa* since June 1996.
- Member of the Scientific Committee of *Anuarul Institutului de Cercetări Economice Gh Zane* Iasi. Romania.
- Member of the Review Committee of the *Revue finance, contrôle, stratégie* (France). Published by the French Accounting Association, since September 2000.
- Member of the Scientific Committee of the Magazine *Fuzzy Systems and AI Magazine* BUFSA "Balkan Union for Fuzzy Systems Association" (Romania).
- Member of the Editorial Board for the Review *Ciencias Empresariales* [Business Sciences]. Michoacan University of San Nicolas de Hidalgo (Mexico). ISSN 1405-7328.

- Member of the Scientific Board of the review *Cuadernos de Gestion* published by the University of La Rioja. ISSN 1131-6737 since 2004.
- Member of the Editorial Board of the series *New Economic Windows* of Springer Publishers, since January 2005.
- Member of the Scientific Committee of the review *Cuadernos de CIMBAGE* Institute of Research in Statistics and Actuarial Mathematics. University of Buenos Aires (Argentina). R.P.I. 399571 since March 2005.
- Member of the Editorial Board of *The Journal of Financial Decision Making*. Published by Klidarithmos Publications, since June 2005.
- Director of the Editorial Board of the *Revista Galega de Economía* Published by the University of Santiago de Compostela. ISSN 1132-2799 since December 2005.
- Member of the Editorial Board of the review *Análisis financiero*. ISSN 0210-2358, since 2007.
- Member to the Advisory Board of the *Annals of the University of Petrosani-Economics*. ISSN 1582-5949, since April 2009.
- Member of the Editorial Board of the review *Caiete Critice*. ISSN 1220-6350, since 2010.
- Member of the Editorial Board of the “International Journal of Financial Engineering and Risk Management” (IJFERM). ISSN: 2049-0909 (Print), 2049-0917 (online), since its creation in 2013.



SCIENTIFIC AND TECHNICAL ARTICLES AND WORKS

From a research point of view and among his many works published, the following following are worthy of mention:

- *Integración de los costes en los cálculos de inversiones* [Integration of Costs in Investment Calculations]. Economy Magazines nº 94, pp. 655-667, October-December 1966.
- *El estudio dinámico de la elección de inversiones* [The Dynamic Study of Investment Selection]. Technical-Accounting Magazine, pp. 41-66, February 1967.
- *Los costes de producción: un modelo para su establecimiento* [Production Costs: a Model for Establishing the Same]. Technical-Accounting Magazine, pp. 161-186, May 1967.
- *El proceso microeconómico de inversión* [The Microeconomic Process of Investment]. Economy Magazine nº 109, October-December 1969.
- *Rentabilidad de la inversión publicitaria* [Profitability of Advertising Investment]. Monographic note books of the "Instituto Nacional de Publicidad", pp. 311-326, 1969.
- *La planificación de los entes locales. Criterios de selección de Inversiones.* [Planning Local Entities. Criteria for Investment Selection]. Magazine of the Social Sciences Institute, pp. 129-147, 1971.
- *La política de inversiones en la empresa actual* [Investment Policy in Today's Company]. CEAM nº 122, January-February, 1974, pp. 46-52.
- *Incidencia de la inflación en las inversiones de la empresa* [The Incidence of Inflation on Business Investments]. Top Management Magazines, pp. 91-103,. September-October, 1974.
- *Liquidez e Inflación en el proceso microeconómico de inversión.* [Liquidity and Inflation in the Microeconomic Process of Investment]. Royal Academy of Economic and Financial Sciences, p. 50, April 1976.
- *Análisis crítico de la situación actual de la Empresa* [A Critical Analysis of the Current Business Situation]. Top Management Magazine, pp. 23-24, January-February, 1977.

- *Prespectivas de la inversión en la empresa a través de los parámetros macroeconómicos* [Perspectives of Business Investment by Means of Macroeconomic Parameters]. Annals of the Royal Academy of Economic and Financial Sciences, pp. 133-147, 1984.
- *Selección de personal: el problema de la polivalencia y el de la uniformidad* [Personnal Selection: the Problem of Polyvalency and Uniformity]. Published by CEURA, Madrid, 1985.
- *La creatividad: Una necesidad en la sociedad del siglo XXI* [Creativity: A Necessity in Society of the XXI Century]. Annals of the Royal Academy of Economic and Financial Sciences, pp. 25-44, March 1990.
- *La gestión en la nueva empresa* [Management Under New Business Conditions]. Management and Business Revue, nº 5, pp. 40-43, March 1992.
- *La programación de actividades por el método del semáforo* [Programming Activities with the Trafic Lights Method]. European Magazine for Business Management and Economy, pp. 7-13, Nº 1, April 1992.
- *Selection of Affinities by means of Fuzzy Relations and Galois Lattices*. Fuzzy Systems and A. I. Magazine, Romanian Academy, Romania, pp. 51-67, Vol. 1 nº 1, 1992.
- *La gestión del inmovilizado. Un modelo de entretenimiento en la incertidumbre* [Managing Fixed Assets. A Training Model in Uncertainty]. In the book *Empresa*. Published by Edinford S. A., Malaga. 1992, pp. 139-165.
- *Periodicity and Chaos in Economic Fuzzy Forecasting* (in conjunction with Ana M^a Gil Lafuente and H.N. Theodorescu). Kyushu institute of Technology. Iizuka, Fukuoka (Japan). 1992, pp. 85-92, reproduced in: *An Introduction to Fuzzy Systems*. LEAO-LAMI. Lausanne 1994 and in: *An introduction to Chaos Theory and Applications*. University of Lausanne. Lausanne 1994.
- *The Economic Environment in the Decision to Invest within a Context of Uncertainty*, in *Advances in Fuzzy Sets and Applications*. Editura Universitauti. Iasi (Romania), 1992.
- *Modelling company Worth* in *Trends in Fuzzy Systems and Signals*. AMSE Press. Tassin (France), 1992.
- *Phénomènes économiques chaotiques de croissance: modèles flous* [Chaotic Phenomena of Growth: Fuzzy Models] in conjunction with H.N. Teodorescu in *Trends in Fuzzy Systems and Signals*. AMSE Press. Tassin (France), 1992.

- *La estimación de magnitudes económicas en el proceso de inversión* [Estimating Economic Variables within the Investment Process]. Annals of the Royal Academy of Economic and Financial Sciences. Academic year 1992-1993, pp. 91-113.
- *Long Term Company Value Estimation by Fuzzy Methods*. Fuzzy Systems and A.I. Magazine. Romanian Academy Romania, Vol. 3 nº 1-2, 1993.
- *La selección de inversiones en base a criterios diversificados* [Investment Selection Based on Diversified Criteria]. Annals of the Royal Academy of Economic and Financial Sciences. Academic year 1993-1994, pp. 129-157.
- *Elemente de baza ale creativitatii* (with A. Kaufmann) Anuarul de Cercetari Economice. Vol. 3. Editura Academiei Romane. Iasi (Romania) 1994, pp. 7-24.
- *La colocación óptima de recursos financieros. El modelo ISFUNE* [The Optimal Investment of Financial Resources. The ISFUNE Model]. Published in the Proceedings of the I SIGEF Conference. Vol. I. Reus (Spain). Ed. Rovira i Virgili University 1994, pp. 4-94.
- *Selección multicriterio de inversiones mediante retículos de Galois* [The Multicriteria Selection of Investments by Means of Galois lattices]. In *Dirección de Empresas de los noventa*. Published by Civitas, Madrid, 1995. Chapter 7, pp. 139-157.
- *Spre o noua paradigma a teoriei deciziei*, Academica Revista de Stiinta. Bucharest. October 1995, pp. 20-21. Reproduced in the Romanian Economic Review, Vol. 41 nº 1, January-June 1996, pp. 35-43.
- *Towards a New Concept of Economic Research*, Fuzzy Economic Review, nº 0. November 1995, pp. 5-23. Republished in the Journal of Management Sciences Michoacán, Morelia (México). June-December 2003. ISSN 1405-7328, pp. 3-16.
- *Algoritmos no numéricos para la creación de estructuras en la gestión de personal* [Non Numerical Algorithms for the Creation of Structures in Personnel Management]. Annals of the Royal Academy of Economic and Financial Sciences, 1995.
- *Programming Investment Activities*, Proceedings of the ITHURS 96 Conference. Ed. León University. Vol. I. León (Spain) 1996, pp. 17-24.
- *Lances y desventuras del nuevo paradigma de la teoría de la decisión*, Annals of the Royal Academy of Economics and Financial Sciences. 1996-97, pp. 11-32 (reproduced in the Proceedings of the SIGEF Conference, Buenos Aires 1996).

- *Formation et fonctionnement d'un groupe de créativité* (with A. Kaufmann) Anuarul de Cercetari Economice, vol. 5. Editura Academica Române. Iasi (Romania) 1996, pp. 7-32.
- *Towards a New Paradigm of Investment Selection in Uncertainty, Fuzzy Sets and Systems*. Volume 84, nº 2. December, 1996, pp. 187-197.
- *La cualificación adaptable de los recursos humanos* [Adaptable Qualification of Human Resources] in *Inquirens, docens, ducens*. Published by Milladoiro, Santiago de Compostela 1997, pp. 231-242.
- *The Affinities Theory in Economics and Management in Advances in Intelligent Systems*. IOS Press. Ohmsha, Amsterdam 1997, pp. 1-12.
- *Model for Assembling Products by Means of Clans*. Fuzzy Economic Review nº 2, vol. II. November 1997, pp. 3-19.
- *Nuevas técnicas para la gestión de empresas* [New Techniques for Business Management] in *Retos empresariales para 1998* [Business Challenges for 1998]. Published by E.U.E.E. Barcelona 1997, pp. 289-313.
- *Financial Modelling in the New Paradigm of the Decision Theory in New Operational Approaches for Financial Modelling* (C. Zopounidis Ed.) Published by Physica-Verlag, Heidelberg 1997, pp. 3-18.
- *Financial Risk in Investment in Operational Tools in the Management of Financial Risks* (C. Zopounidis Ed.) Published by Kluwer Academic Publishers, Norwell (Massachussets) 1997, pp. 251-271.
- *The Importance of Order for the Decision in Uncertainty* in "Managing in Uncertainty: Theory and Practice (C. Zopounidis and P.M. Pardalos Eds.) Published by Kluwer Academic Publishers. Dordrecht (The Netherlands) 1998, pp. 49-61.
- *Ways of Representing Management Relations. Modelling, Measurement and Control*, 2D Vol. nº 3, July-December 2000.
- *Genesy of a Theory of Uncertainty* mixed with the Conference held for the imposition of the Big Cross of Alfonso X "El Sabio". Review "Encuentros Multidisciplinares". Vol. II nº 3. September-December 2000, pp. 73-81.
- *Elements per a l'adopció de decisions subòptimes en l'incertesa*. Ciència i Cultura en el segle XXI. Reial Acadèmia de Doctors. D. L. 688-01. Barcelona 2001, pp. 405-419.

- *Entre l'epistemologia i la lògica. Decisió i algorithmes d'ordenació* [Between Epistemology and Logic. An Algorithm for Decision and Ordering]. Cuadernos de Gestión. (Books of management). Vol. nº 1 February 2001 ISSN: 1131-6837, pp. 151-159.
- *Management Problems in Uncertainty* in Handbook of Management under uncertainty. (J. Gil-Aluja). Ed. Kluwer Academic Publishers. Dordrecht (Netherlands) 2001 (ISBN 0-7923-7025-2), pp. 11-32.
- *El retículo como elemento estructurador de un orden para la decision* in *Nuevos desafíos de la Economía de la Empresa*. Vol. I, Ed. Milladoiro, Vigo (Spain) 2001. (ISBN 84-931222-2-0), pp. 359-383.
- *Algorithms for Orderly Structuring of Financial Objects* in *Fuzzy Sets in Management, Economics and Marketing* (Zopounidis, Pardalos and Baourakis, Ed.) World Scientific Publishing; New Jersey, London, Singapur, Hong-Kong 2001 (ISBN 9810247532), pp. 3-17.
- *El coneixement en l'incertesa* [Knowledge in Uncertainty]. Work published in Academic Journey in memoriam of Prof. Carles Cassú Mellado: Scientific management in uncertainty. University of Girona(Spain). Girona 2002 (ISBN 84-8458-156-X), pp. 21-33.
- *La pretopología en la gestión de la incertidumbre* [Pretopology in Management Uncertainty]. Work published in nomination as Doctor "Honoris Causa" by University of León (Spain). Ed. University of León. León 2002 (ISBN 84-7719-570-6)
- *La nueva encrucijada en la investigación científica* [The New Cross-Road in Scientific Investigation]. Academic Review, nº 23. May-June 2002 (ISBN 1220-5737), pp. 49-51.
- *Il futuro economico dell'area Mediterranea* [The Economic Future in Mediterranean Area]. Work published in Mediterranean book: mare di incontro. Club Ausonia Editore. Reggio Calabria 2002, pp. 105-110.
- *Elementos pretopológicos básicos para la modelizacion en la incertidumbre* [Basic Pretopological Elements for Modelling in Uncertainty] in "De Computis et Scripturis". Royal Academy of Economic and Financial Sciences (D.L. 25.988.2003) Barcelona 2003, pp. 199-223.
- *De la teoría de clanes a la pretopología borrosa de Moore* [From the Theory of Clans to Moore Fuzzy Pretopology]. Work published in the proceedings of the X SIGEF Conference. León 2003 (ISBN 84-9773-069-0), vol. I, pp. 3-22.

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- *La gestión financiera en contexto de incertidumbre* [Financial Management in a Context of Uncertainty]. Article published in the work *Ingeniería de Organización, presente y futuro* [Organisational Engineering, Present and Future]. Publ. Valladolid University. Valladolid (Spain) 2003, (ISBN 84-688-3822-5), pp. 95-118.
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- *La nuova centralità del Mediterraneo nel quadro dell'economia internazionale*. Article published in the book: "Verso un nuevo paradigma per lo sviluppo del Mediterraneo: processi, strategie e politiche". Anuali della Facolta di Economia. Messina, 2004 (Italy), pp. 11-28.
- *Luces y sombras en la génesis de una ciencia mediterranea* [Lights and Shadows in the Genesis of a Mediterranean Science]. Published in the Annual Review-Year XLII of the University Degli Studi of Messina, 2004, pp. 39-69 and reproduced in the Multidisciplinary Meetings Review nº 17, vol. VI. May-August 2004, (ISSN 1139-9325), pp. 2-17.
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- *La actividad científica en el contexto euro-mediterráneo* [Scientific Activity in a Euro-Mediterranean Context]. Published in the work that includes the Academic Session of the Academy in Morroco Kingdom. R.A.C.E.F. Barcelona 2004 (Dep. Legal: B-42854-2004), pp. 33-37.
- *La noción de vecindario en los espacios topológicos inciertos* [The Notion of Neighbourhood in Uncertain Topological Spaces]. Published in the work: *La ciencia de la contabilidad* [Science of Accounting]. Publications and Editions of the University of Barcelona. Barcelona 2005. (ISBN 84-475-2922-3), pp. 289-304.
- *Sà ne unim respectând identitatea fiecărnia*. Academica Review nº 40, June 2005. (ISSN 1220-5737), pp. 47-76.

- *Les logiques multivalentes dans le domaine de l'économie et de la gestion* [Multivalent Logics in Economy and Management]. Published in the book: *Intelligent Systems*. Ed. Performantica Press. Iasi (Romania) 2005 (ISBN 973-730-070-X), pp. 29-38.
- *Nouvelles perspectives de la recherche scientifique en économie et gestion* [New Perspectives of Scientific Research in Economy and Management] (with Ana M^a Gil Lafuente). Work published by the Royal Academy of Doctors. Barcelona 2005, pp. 8-23. Reproduced in the "Annals of the University of Petrosani" (vol. 5). Petrosani 2005.
- *Reflexiones ante un nuevo pensamiento económico* [Reflections on a New Economic Thought]. Published as a monographic work in the collection: *Pensamiento contemporáneo*. [Contemporary Thought]. Publ. CIDEM, Morelia (Michoacan). México 2005 (40 pp.) and reproduced in the work by González Santoyo and others: *Decisiones empresariales* [Business Decisions]. Ed. Centro de Investigación y Desarrollo de Michoacan. México 2006 (ISBN 970-703-427-0), pp. 1-18.
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- Various: *Anales del Curso Académico 2023-2024*. Ed. R.A.C.E.F., Barcelona, 2024. (ISSN: 1135-3422), pp. 19-26.
- Various: *Ciencia y actividad económica: propuestas y realidades*, corresponding to the 4th Cycle of Internal Conferences. Ed. R.A.C.E.F., Barcelona, 2024. (ISSN: 2938-7884), pp. 11-17.
- Various: *Crecimiento sostenible e infraestructuras*, corresponding to the Chair of Business Sustainability. Ed. R.A.C.E.F., Barcelona, 2024. (ISBN: 978-84-09-60193-6), p. 11.

- Various: *Sostenibilidad en el entorno químico*, corresponding to the Chair of Business Sustainability. Ed. R.A.C.E.F., Barcelona, 2024. (ISBN: 978-84-09-68206-5), pp. 11–12.
- Various: *Crisis Financieras: ¿Por qué se producen y cómo afrontarlas?*, corresponding to the Chair of Business Sustainability. Ed. R.A.C.E.F., Barcelona, 2024. (ISBN: 978-84-09-65941-8), p. 11.
- Various: *Sostenibilidad en el sector turístico*, corresponding to the Chair of Business Sustainability. Ed. R.A.C.E.F., Barcelona, 2025. (ISBN: 978-84-09-69978-0), pp. 11–16.



NATIONAL CONFERENCES

He has given a large number of conferences, throughout Spain, amongst which the following stand out:

- *La inversión en la empresas turísticas* [Investment in the Tourist Business], at the Barcelona School of Tourism.
- *Problemática financiera de la empresa Española* [Financial Problems of the Spanish Company], at the Asociación Nacional de Diplomados en Organización Industrial y Administración de Empresas de Barcelona [National Association for the Industrial Organization and Business Management of Barcelona].
- *Rentabilidad de la inversión publicitaria* [Profitability of Investments in Advertising], at the National Advertising Institute. (Published).
- *Modernas técnicas en la política de renovación de equipos industriales* [Modern Techniques in the Policy for Renewing the Industrial Equipments], at Fomento Nacional del Trabajo en Barcelona. [Institution for National Work Promotion], October 18, 1968. (Published).
- *La política de optimización de las inversiones en las empresas agrícolas y derivadas* [Policy for the Optimization of Investments in Agricultural Companies and Similars] at the Chamber of Commerce and Industry of Lerida, April 11, 1969.
- *Modernas técnicas en la política económica de inversiones* [Modern Techniques in Economic Policy for Investments], at the college for Higher Commercial Studies in Palma de Mallorca, April 18, 1969.
- Several conferences and Magisterial Lectures at the College of Social Graduates of Barcelona, during the 1969/70 academic year.
- *La inversión y renovación de instalaciones hoteleras* [Investment and Renovation Hotel Equipments], in the Ibiza Government Offices, March 11, 1970.
- Participation in the VIII International Week of Social Studies, on the subject: *Dimensión económica de la planificación. Criterios de selección de inversiones* [Economic Dimension of Planification. Investment Selection Criteria] Published, Barcelona, 1971.
- *La política de inversiones en la empresa actual* [Investment Policy in Current Business] at CEAM on November 21, 1973 (Published in CEAM. Industrial Economy Magazine nº 122).

- *La inversión de la empresa bajo el influjo de la presión inflacionista* [Investment of Companies under the Influence of the Inflationist Pressure] at the Chamber of Commerce and Industry of Reus, May 11, 1974.
- *El futuro de la pequeña y mediana empresa* [Future of Medium and Small sized Companies] in Alicante. November 14, 1978.
- *La decisión de invertir en la situación económica actual* [Decision to Invest in the Current Economic Situation] at the University College of Vigo on November 4, 1982.
- *Fiscalidad, inversión y actividad económica actual* [Taxability, Investment and Current Economic Activity]. Speaking at the Business Administration School in Barcelona. Inauguration of the 1985-86 Academic Year, December 20, 1985.
- *Incidencias fiscal i financera en l'estructura de costos de la promoció d'habitatges* [Fiscal and Financial Influence in the Cost Structure of Housing Promotion], at the 1st International Symposium on, reinstatment Financing and Housing Market. Reporting, Communications, Conclusions. Organised by the Caixa d'Estalvis de Catalunya, in Barcelona. October 30-31, 1985 (Published).
- Opening speech at the act of investing Professor Raymond Barre as Doctor Honoris Causa. Faculty of Economic Sciences at the University of Barcelona, May 15, 1987.
- *La inversión en pintura* [Investment in Painting]. Business talk at the Círculo Ecuestre. March 16, 1988. Barcelona.
- *Metodología de los subconjuntos borrosos en la gestión de empresas* [Methodology of the Fuzzy Sub-sets in Business Management]. Conference at the Faculty of Economic Sciences and Business Administration of the University of the Basque Country. Bilbao, April 18, 1988.
- *Las enseñanzas empresariales frente al reto de un futuro incierto* [Business Teachings Faced with the Challenge of an Uncertain Future]. University of Economic Science and Business of Bilbao. Bilbao, October 13 and 14, 1988.
- *Técnicas de gestión para la empresa del futuro* [Management Techniques for the Company of the Future]. Conference at the Swiss Businessmen's Club. Barcelona, March 7, 1989.
- *La estructura financiera de la empresa del futuro* [Financial Structure of the Company of the Future]. Faculty of Economic Science and Business School of the University of Málaga, April 6, 1989.

- Conference: *Economía i Societat, Horitzó 2000*. Reus College for Business Studies. Reus, May 11, 1989.
- *La toma de decisiones sobre inversiones a través de técnicas dirigidas a la eficacia* [Taking Decisions on Investments by Means of Techniques Directed Towards Efficiency]. Conferences held during the course on *Gestión económica local y cumplimiento de la ley de Haciendas Públicas* [Local Economic Management and Compliance with the Public Treasury Law] at the College of Secretaries, Controllers and Local Administration Trustees of Barcelona. Barcelona, May 10 and 19, 1989.
- *La gestión financiera para las Instituciones del futuro* [Financial Management for the Institutions of the Future]. Conference given during the Course on Patrimony, Accounting and Tax Management of Local Corporations, at the College of Secretaries, Controllers and Treasurers of the Province of Barcelona. Barcelona, December 1, 1989.
- *Técnicas operativas de gestión para el tratamiento de la incertidumbre* [Operational Management Techniques for Treatment of Uncertainty]. Conference with Professor Arnold Kaufmann, at the Economic Sciences and Business College of Vigo, May 10, 1990.
- *Nuevas técnicas de gestión para la empresa del futuro* [New Management Techniques for Future Company's]. Conference with Professor A. Kaufmann, at the Economic Sciences and Business College of Santiago de Compostela, May 11, 1990.
- *Preocupacions dels nostres empresaris. Com farem front al futur*. [Problems of our Businessmen. How to Face Future]. Conference at the Auditorium of the Palacio de Ferias y Congresos de Reus, October 13, 1990.
- *Las lógicas multivalentes en la gestión financiera*. [Multivalent Logic in Financial Management]. Conference at the College of Business Studies of the University of León. April 9, 1991.
- *La empresa y la creatividad* [Business and Creativity]. Conference at the Faculty of Economic and Business Science of the Basque Country. Bilbao, November 8, 1991.
- *Nuevas técnicas de gestión para la empresa del siglo XXI* [New management techniques for Business in the XXI century]. Conference given at the Faculty of Economic and business Science at the University of Granada, November 11, 1991.
- *Nuevas técnicas de gestión en la incertidumbre* [New Management Techniques in Uncertainty]. Conference at the Faculty of Economic Science at the University of Santiago de Compostela. May 11 and 12, 1992.

- *A creatividade na nove empresa* [Creativity in a New Business]. Conference at the International Atlantic University during the IX Summer and Autumn Courses in Galicia. August 28, 1992.
- *Certeza e incertidumbre en la dirección estratégica* [Certainty and Uncertainty in strategic Management]. Conference at the Faculty of Economic and Business Science at the University of Vigo. March 15, 1993.
- *La creatividad en un mundo de incertidumbre* [Creativity in a Uncertainty World]. Conference at the Faculty of Economic and Business Science at the University of Santiago de Compostela, June 16, 1993.
- *Dirección estratégica en la incertidumbre* [Strategic Management in Uncertainty]. Conference in ending summer course: Theory of Chaos in Fuzzy Sets, at the University of León. October 1, 1993.
- *La incertidumbre en la gestión empresarial* [Uncertainty in Business Management]. Conference at the Barcelona School of Business Administration. November 26, 1993.
- *La creatividad en la moderna gestión de empresas* [Creativity in Modern Business Management]. Conference at the University of Santiago de Compostela. March 2, 1994.
- *La economía y gestión de empresas en el umbral del siglo XXI* [Business Economy and Management on the Threshold of the XXI Century]. Conference at the University of Sevilla, May 4, 1994.
- *La creatividad en la gestión de empresas* [Creativity in Business Management]. Conference given during the Postgraduate Courses on "Agrarian Co-operatives Management" and "Management of Cooperatives of Small and Medium Size Companies" of the University of Santiago de Compostela. January 30, 1995.
- *L'economia del segle XXI* [Economy in the XXI Century]. Conference at the Salvador Vilaseca Institute. Reus, October 2, 1995.
- *La creatividad, factor clave de un mundo inmerso en la incertidumbre* [Creativity, Key Factor in a World Immersed in Uncertainty]. Conference at the University of Vigo. Vigo, March 1, 1996.
- *El nuevo paradigma de la teoría de la decisión* [The New Paradigm of the Theory of Decision]. Conference at the Faculty of Economic and Business Science at the University of Vigo. Vigo, May 7, 1996.

- *La economía de la incertidumbre en el umbral del siglo XXI* [Economy of Uncertainty on the Threshold of the XXI Century]. Xunta de Galicia. Conference at the Casa de Galicia in Madrid. November 20, 1996.
- *La gestión del Barça, algo más que un club* [The Management of Barça, Something More than a Club]. Conference at the Faculty of Economic and Business Science of Santiago de Compostela, January 17, 1997.
- *Os novos enfoques da teoría na incerteza* [New View Points on the Theory of Decision in Uncertainty]. Conference at the University School of Business Studies at Lugo. February 6, 1997.
- *Técnicas operativas para el tratamiento de la incertidumbre* [Operating Techniques for treating Uncertainty]. Conference at the University of Salamanca, April 21, 1997.
- *El concepte d'afinitat en el nou paradigma de la teoria de la decisió* [The Concept of Affinity in the New Paradigm of the Theory of Decision]. Conference for the reception as Doctor Honoris Causa by the Rovira i Virgili University (Published). Tarragona, May 16, 1997.
- *La nueva teoría de la decisión. Modelos y algoritmos* [The New Theory of Decision. Models and Algorithms]. Conference at the opening of the Academic Year 1997-98 at the School of Business Studies of Orense. October 14, 1997.
- *La ciència econòmica i les noves decisions en l'àmbit financer* [Economic Science and New Decisions in the Financial Sphere]. Conference at the Centre de Lectura of Reus, November 11, 1997.
- *La imprecisión en la economía: preguntas y respuestas posibles* [The Lack of Precision in Economy: Possible Questions and Answers]. Conference at the Karl Mengen Chair. University of Gerona. December 2, 1997.
- *El análisis no numérico en el futuro de la ciencia Económica* [Non-numerical Analysis in the Future of Economic Science]. Conference at the reception as Doctor Honoris Causa by the University of Vigo. December 16, 1997.
- *La financiación de los clubes deportivos. Éxito o fracaso* [Financing Sports Clubs. Success or Failure]. Conference at the Faculty of Economic Science at the University of the Basque Country. Bilbao, March 2, 1998.
- *El segle XXI: la incertesa en l'economia i la gestió d'empreses* [The XXI Century: Uncertainty in Business Economy and Management]. Conference at the FEGI Foundation. Reus, June 8, 1998.

- *Los retos empresariales del siglo XXI* [Business Challenges of the XXI Century]. Conference at the Business Administration School (E.A.E.). Barcelona, June 18, 1998.
- *La creación de nuevas empresas en un contexto de incertidumbre* [The Creation of New Business in a Context of Uncertainty]. Opening Conference at the Master Course on Setting up Business. Vigo University, November 4, 1998.
- *Las finanzas de una sociedad deportiva. Mitos y realidades* [Finances of a Sport Entity. Myths and Realities]. Conference at JURISA, Reus, February 16, 1999.
- *La teoría de la incertidumbre en el futuro empresarial* [The theory of Uncertainty in the Future Business]. Conference at Gresol Empresarial, Reus, February 22, 1999.
- *Gestión financiera de asociaciones deportivas* [Financial Management of Sport Associations]. Conference at the Caixa Galicia Foundation, organised by the Celta Foundation of Vigo. Vigo, March 5, 1999.
- *Les finances del grans Clubs de Futbol. Les finances del F. C. Barcelona* [Finances of Big Football Clubs. Finances of Barcelona F. C.]. Conference at the University of Barcelona included in the University Meeting on Sport. Barcelona, March 16, 1999.
- *Gènesi d'una teoria de l'incertesa* [Genesy of a Theory of Uncertainty]. Conference in the imposition of the Big Cross of Alfonso X "The Wise". Foment del Treball Nacional, Barcelona, January 20, 2000.
- *La creativitat en la gestió de les empreses* [Creativity in Business Management]. Conference in Economists College of Catalunya. Barcelona, February 24, 2000.
- *El balanç de les societats anònimes esportives* [Balance of Anonime sportive Companys] in the Working Days "Sport 2000-The football Business". Conference in Recoletos-Hotel Ritz, Madrid. April 26, 2000.
- *La creativitat en les cooperatives i pymes. Una necessitat d'avui, una urgència demà* [Creativity in Cooperatives and Little and Middle Companies. A Necessity Yesterday, an Urgency Tomorrow]. Conference in Economics Sciences and Business University of Santiago de Compostela. May 18, 2000.
- *L'esport. Impacte econòmic i social* [Sport. Economic and Social Impact]. Opening Conference of the Summer Course "Els Juliolis" *Gestió financera i comercial de les entitats esportives* [Financial and Comercial Management of the Sport Entities]. University of Barcelona. July 17, 2000.

- *El coneixement en l'incertesa* [The Knowledge in Uncertainty]. Introductory conference maked for Academic Day *in memoriam* Carles Cassú. Girona University. Girona, January 12, 2001.
- *L'empresa en l'economia de l'incertesa* [The Enterprise in Uncertainty Economy]. Conference in the XII Working Days Enterprise-University. Economy and Law University. Lleida University, March 7, 2001.
- *Les finances en les entitats esportives* [Financial Management of Sport Entities]. Conference in II Seminari "Economy and Enterprises in XX Century". Business Study and Tourism University. Extremadura University. Cáceres, March 30, 2001.
- *Els clubs europeus de futbol com dinamitzadors de societats financeres* [European Football Clubs as Promotors of Financial Companies]. Conference at the Seminar on Innovation in the Management of Sport Entities. Higher School of Business Administration and Management (ESADE). Barcelona, May 7, 2001.
- *La nova economia en la societat de l'incertesa* [The New Economy in Uncertainty Society]. Conference in Research Foundation. Grup Sagessa. Reus, October 9, 2001.
- *La creatividad en la gestión bancaria en la incertidumbre* [Creativity in Banking Management in Uncertainty]. Conference in inauguration of Course in Management Bank. University of Santiago de Compostela, October 16, 2001.
- *Un nuevo paradigma en la teoría de la decisión* [A New Paradigm in Decision Theory]. Conference in inauguration of the Working Days about the Management in Economics Problems and Business in Fuzzy Sub-sets: Latest Tendencies. University Miguel Hernández. Elche (Spain), November 26, 2001.
- *Situación y perspectivas de la gestión en condiciones de incertidumbre* [Situation and Perspectives of Management in Uncertainty]. Conference in FESIDE Foundation. Bilbao (Spain), January 18, 2002.
- *La gestión financiera en un contesto de incertidumbre* [Financial Management in Uncertainty Context]. Conference in Winter Courses University of Valladolid (Spain). March 13, 2002.
- *Retos y soluciones a los problemas económicos en un contexto de incertidumbre*. [Troubles and Solutions of Economics Problems in Uncertain Situation]. Conference in Faculty of Business Administration and Management of Lugo (Spain), May 20, 2002.

- *La reconstrucción del concepto de Fondo de Maniobra* [The Reconstruction of the Concept of Action Found]. Conference in University of Santiago de Compostela (Spain), February 13, 2003.
- *Sobre los orígenes y fundación de la Real Academia* [About the Origins and Foundation of the Royal Academy]. Speech at the celebration of the sixtieth anniversary of the First Academic Council of the Royal Academy of Economic and Financial Sciences. Barcelona, April 10, 2003.
- *Los nuevos cauces de la investigación científica* [The New Channels of Scientific Investigation]. Paper presented at the Commemorative Act of the X Anniversary of the University of Almeria. Faculty of Economic and Business Sciences. Almería, November 19, 2003.
- *Perspectivas económico-financieras en sistemas sociales complejos*. Conference by occasion of the Master of Bank and Finances Inauguration. University of Santiago de Compostela. Santiago de Compostela (Spain), October 4, 2004.
- *Las decisiones financieras en la nueva encrucijada entre la concepción geométrica y la concepción evolucionista de la ciencia*. Conference in University of Santiago de Compostela (Spain), November 23, 2004.
- *La matemática borrosa en Economía y Gestión de Empresas*. Conference in University of Las Palmas de Gran Canaria (Spain), March 2, 2005.
- *Sociedad, Ciencia, Tecnología y Matemáticas*. Conference in University of La Laguna (Spain), March 3, 2005.
- *Noves estratègies pels desenvolupaments financers en l'incertesa* [New Strategies for Financial Development in Uncertainty]. Conference in University of the Balearic Islands (Spain), April 15, 2005.
- *Una luz en el pensamiento económico encadenado* [A Light in Linked Economic Thought]. Conference in University of the Basque Country, Bilbao (Spain). May 12, 2005.
- *La matemática en la ciencia y la cultura contemporáneas* [Mathematics in Contemporary Science and Culture]. Conference in University of La Laguna (Spain), November 30, 2005.
- *Teoría de los subconjuntos borrosos en la gestión deportiva* [The Theory of Fuzzy subsets in Sports Management]. Conference in Mapfre Guanarteme Foundation. Las Palmas de Gran Canaria, December 1, 2005.

- *Génesis de una teoría de la incertidumbre y su relación con la medicina y la tecnología* [Genesis of a Theory of Uncertainty and its Relation with Medicine and Technology]. Conference in Puigvert Foundation. Barcelona, March 17, 2006.
- *Nuevas perspectivas del pensamiento económico* [New Perspectives of Economic Thought]. Conference in University of Santiago de Compostela, April 20, 2006.
- *El futbol entre l'espectacle, l'economía i el sentiment* [Football Between Spectacle, Economy and Feeling]. Conference in the University of Valencia, November 7, 2007.
- *El pensamiento científico ante la complejidad de las nuevas relaciones económicas* [Scientific Thought Faced the Complexity of New Economic Relations]. Conference at the ceremony of introduction as Doctor "Honoris Causa" by the Rey Juan Carlos University, Madrid, January 28, 2008.
- *La percepcion científica de las nuevas realidades económicas* [Scientific Perception of the New Economic Relations]. Conference at the Ceremony of introduction Doctor "Honoris Causa" by the University of Santiago de Compostela, April 23, 2008.
- *La investigación económica ante la complejidad de los nuevos sistemas sociales* [The economic Research Faced the Complexity of the New Social Systems]. Conference held in presence of S.M. Juan Carlos I, on occasion of closing Academic Year. Published. Palacio de la Música, Barcelona, May 29, 2008.
- *Contribución de la ciencia al progreso: hacia una nueva economía de la empresa* [Contribution of Science to Progress: Towards a New Economic Management]. Conference Program *The Company about Globalisation: Risk and Knowledge*. University of Basque Country. Bilbao, May 5, 2009.
- *La crisi: orígens i perspectives de futur*. Conference in Hall of the City Council of Falset (Spain), June 26, 2009.
- *Raymond Barre*. Conference in the Hall of Royal Academy of Economics and Financial Sciences with occasion of the Necrologic Session of this Academician. Barcelona, November 13, 2009. (Published in the Annals of the Academic Year 2008-2009, pp. 29-35).
- *Investigación económica y financiera en España*. Conference in the Senate Palace in Madrid. May 26, 2009. (Published in the Annals of the Academic Year 2008-2009, pp. 101-106.)

- *El futuro del sistema económico Español* [The Future of the Spanish Economic System]. Conference in El Circol Society, organized bay Rotary Club Reus. Reus, April 19, 2010.
- *La incertidumbre en la gestión de los clubes de futbol* [The Uncertainty in the Management of Football Clubs]. Conference in occasion of the IX Economist Day. Palma de Mallorca, December 10, 2010.
- *La crisis en la economía española: causas y caminos de salida* [The Crisis in the Spanish Economy: Causes and Ways of Output]. Conference in the Cultural Center in El Catllar. El Catllar (Tarragona), January 20, 2012.
- *Nuevas aportaciones científicas en el actual contexto de incertidumbre* [New Scientific Contributions in the Current Context of Uncertainty]. Conference in XVII Congress SIGEF. Rovira i Virgili University. Cambrils, Juny 6, 2012.
- *La transformació del món després de la crisi. Una anàlisi des de ciències socials.* [Transformation of the World after the Crisis. Analysis from Social Sciences]. Conference in Royal Palace of Barcelona in Opening Academic Year of Royal Academic of Doctors. Barcelona, October 23, 2012.
- *Mirando al futuro. Teología y economía: paralelismos y desencuentros.* Conference for the Reading Center for the Mn. Gil Ribas. Work presentation: "Que creguin, de grat o per força". Reus, November 28, 2013.
- *Hacia una nueva configuracion de la Europa de los territorios.* Conference for the "Honoris Causa" Doctor reception for the University of Málaga. Málaga (Spain), November 6, 2014.
- *El nuevo mundo en el que es imposible volver atrás.* Conference fot the Prologue to RACEF's IXth International Day "Evolution, Revolution and Involution in the Social Systems Future" (Published) Ed. RACEF, Barcelona, November 11, 2014.
- *De les idees Fuzzy a les realitats. Un futur ple d'esperança.* Conference for the « Explora : 50 anys d'ideees Fuzzy » exposition's opening in Cosmocaixa. Barcelona, November 13, 2015.
- *La actividad investigadora ante las nuevas realidades.* Conference pronounced in the X International Meeting of the Royal Academy of Economy and Financial Sciences. "Ciencia y realidades económicas: reto del mundo post-crisis a la actividad investigadora" (Published). Ed. R.A.C.E.F., Barcelona November 18, 2015
- *La vivencia y la ciencia.* Conference for the placement act for Jaime Gil Aluja painting in the gallery of Illustrious sons. Reus Town Hall, September 15, 2016.

- *Perspectivas económicas frente al cambio social, financiero y empresarial*. Opening conference at the Academic Solemn Act in la Rioja, University of Rioja, Logroño, (Spain), October 14, 2016, (Published).
- *El binomio desorden e incertidumbre*. Conference pronounced in the Faculty of Business, Finance and Tourism of the Extremadura University. Cáceres, November 3, 2016.
- *Soplan vendavales pero falta aire*. Conference pronounced in the XI International Meeting of the Royal Academy of Economy and Financial Sciences *El comportamiento de los actores económicos ante el reto del futuro* (Published). Ed. R.A.C.E.F., Barcelona, November 10, 2016
- *Los espacios de pensamiento en la sociedad globalizada*. Conference pronounced in the Academic Meeting in Extremadura (Published). Cáceres, March 2, 2017.
- *La escisión de territorios. ¿Y después qué? Dataismo y secesión*. Conference pronounced in the Doctor Honoris Causa reception of the University from Extremadura in Cáceres (Spain), November 14, 2017.
- *El reto de la prosperidad compartida*. Opening conference during the Solemn Academic Act in Sevilla (Published). Sevilla (Spain), March 22, 2018.
- *El tic-tac de la recuperación económica*. Closing conference of the Solemn Academic Act in Sevilla (Published). Sevilla (Spain), March 23, 2018.
- *Las ciencias económicas y financieras ante una sociedad en transformación*. Opening Conference during the Solemn Academic Act in León (Published). León (Spain), April 19, 2018.
- *La ciencia económica ante una sociedad en transformación. La infinita diversidad de lo humano*. Closing Conference of the Solemn Academic Act in León (Published). León (Spain), April 20, 2018.
- *Riesgos e inquietudes de una información globalizada*. Conference during the Solemn Academic Act in León (Published). León (Spain), April 20, 2018.
- *Big Data, entropía financiera y revolución digital*. Opening Conference in the Solemn Academic Act in Balearic Islands (Published). Palma de Mallorca (Spain), April 10, 2019.
- *Algoritmos para la creación de productos financieros*. Conference pronounced in the University of Balearic Islands (Spain), (Published). Palma de Mallorca, April 11, 2019.

- *El reto del humanismo económico: la Imaginación Artificial*. Closing Conference in the Solemn Academic Act in the Balears Islands (Published). Palma de Majorca, April 12, 2019.
- *Una nueva manera de mirar nuestro futuro*. Opening Conference (Telematically) of the Solemn Academic Act in Cantabria. (Published). Santander, May 7, 2020.
- *Cuando el contagio provoca crisis*. Conference pronounced (Telematically) in the Solemn Academic Act in Cantabria (Published). Santander, May 7, 2020.
- *Una herencia para generaciones futuras*. Closing Conference (Telematically) in the Solemn Academic Act in Cantabria (Published). Santander, May 8, 2020.
- *Reus en el mapa de la investigación económica mundial*. Plenary Conference pronounced in the XXXIV Congress of AEDEM, Reus, September 17, 2020. Published in the book "Annals of Academic Course 2019-2020", pp. 153-166 (ISSN: 1135-3422).
- *Humanismo Económico*. Plenary Conference delivered in the I Cycle of Internal Conferences (Published). Barcelona, May 18, 2021.
- *Andar caminos, abrir veredas*. Inaugural Lecture at the Solemn Academic Ceremony of Valencia (Published). Valencia, October 21, 2021.
- *La asignación óptima de tareas telemáticas. El algoritmo de Valencia*. Lecture delivered at the Solemn Academic Ceremony of Valencia (Published). Valencia, October 21, 2021.
- *Aportación al cambio de paradigma de la Ciencia Económica*. Closing Lecture at the Solemn Academic Ceremony of Valencia (Published). Valencia, October 22, 2021.
- *Principios, axiomas y algoritmos. El desafío tecnológico*. Inaugural Lecture at the Solemn Academic Ceremony of Salamanca (Published). Salamanca, March 15, 2023.
- *La encrucijada laboral*. Lecture delivered at the Solemn Academic Ceremony of Salamanca (Published). Salamanca, March 15, 2023.
- *Hacia una adaptación permanente*. Closing Lecture at the Solemn Academic Ceremony of Valencia (Published). Salamanca, March 15, 2023.
- *Entre recuerdos y esperanzas*. Inaugural Lecture at the Solemn Academic Ceremony of León (Published). León, March 17, 2023.
- *A la búsqueda de una nueva axiomática de la ciberseguridad*. Closing Lecture at the Solemn Academic Ceremony of León (Published). León, March 17, 2023.

- *El lenguaje claro*. Inaugural Lecture at the Solemn Academic Ceremony of Santiago de Compostela (Published). León, June 4, 2024.
- *El mensaje humanista*. Closing Lecture at the Solemn Academic Ceremony of Santiago de Compostela (Published). León, June 7, 2024.
- *La Formalización de la subjetividad en la fenomenología económica compleja*. Inaugural Lecture at the Solemn Academic Ceremony of Granada (Pending Publication). Granada, May 22, 2025.
- *Los algoritmos de inteligencia artificial en la recuperación de los efectos olvidados*. Inaugural Lecture at the Solemn Academic Ceremony of Granada (Pending Publication). Granada, May 22, 2025.
- *Reducir la incertidumbre en un mundo de contradicciones*. Closing Lecture at the Solemn Academic Ceremony of Granada (Pending Publication). Granada, May 22, 2025.



INTERNATIONAL CONFERENCES

Among many others he participated at the following teaching activities overseas:

- University of Social Sciences in Grenoble (France), *The Strategy of International Investments*. May 6, 1974.
- Centre d'Etudes Partiques d'Informatique et Automatique (CEPIA) Paris, *Investment Policy in Current Business*. June 26, 1974.
- *Theory of Fuzzy Sets. L'exemple Base Budget Zéro. (International Stage)*.CEPIA, Paris, September 24-27, 1986.
- *Los problemas de la dirección de empresas* [Problems of Business Management]. Economic University of Belorussia, Minsk, October 20, 1992.
- *The Logic of the Scientific Research and the Possibilities and Limits of the Fuzzy Sets Theory*. National and Word University of Economy. Sofia (Bulgaria), June 19-23, 1993.
- *La lógica y la metodología de la investigación económica mediante la teoría de los subconjuntos borrosos* [Logic and Methodology in Economic Investigation by means of the Theory of the Fuzzy Sub-Sets]. At the National and World University of Sofia (Bulgaria), January 24, 1994.
- *Théorie des incertitudes appliquée à la gestion et à certaines productions* [Theory of Uncertainty Applied to Management and to Certain Productions]. Sophia Antipolis Foundation. Antibes (France), March 20, 1995.
- *Grafos neuronales y nuevos paradigmas en la teoría de la decisión* [Neural Graphs and New Paradigms in the Theory of Decision]. In the Faculty of Economic Sciences of the University of Buenos Aires (Argentina), April 27, 1995.
- *La creatividad en la pequeña y mediana empresa* [Creativity in Small and Medium Sized Companies]. At the closing of the meeting on competitiveness in small and medium sized companies. Administrative Investigation Institute of the University of Buenos Aires (Argentina), October 13, 1995.
- *Méthode d'organisation d'entreprises: utilisation de la théorie des incertitudes* [Method of Business Organisation: Using the Theory of Uncertainty]. Given at the Foundation Sophia Antipolis, Antibes (France). November 27, 1995.
- *La Théorie des ensembles flous dans les organisations d'entreprises* [Fuzzy Sets Theory within Business Organisation]. Sophia Antipolis Foundation, Antibes (France), June 5, 1996.

- *Incertitude, risque et gestion de l'entreprise* [Uncertainty, Risk and Business Management]. Faculty of Law, Economy and Social Sciences at the University of Angers (France), October 24, 1996.
- *L'utilisation des ensembles flous dans les sciences humaines* [Using Fuzzy Sets in Human Sciences]. I.A.E. University of Nice (France), December 2, 1996.
- *Applications de la Théorie des sous-ensembles flous à la production*. Conference pronounced in Sophia Antipolis Foundation. Antibes (France), December 2, 1996.
- Conference, about: *Surgimiento, desarrollo y perspectivas de las técnicas borrosas* [Appearance, Development and Perspectives of Fuzzy Techniques]. Oriente University, Santiago de Cuba, February 11, 1997.
- *Aplicación de las técnicas borrosas en la investigación de operaciones* [Application of Fuzzy Techniques in Operational Research]. Faculty of Economic and Business Science. Santiago de Cuba., February 12, 1997.
- *La scienza economica e la nuova teoria della decisione* [Economic Science and the New Theory of Decision]. Conference at the Investiture as "Laurea Honoris Causa" University of Reggio Calabria. (Published in Helios Magazine nº 6 year II pp. 65-68). Reggio Calabria (Italy), November 7, 1997.
- *Ciencia, economía y desarrollo económico* [Science, Economy and Economic Development]. Conference at the Investidure "Doctor Honoris Causa" University of Santiago de Cuba, November 18, 1997.
- *Méthode des ensembles flous appliquée a la gestion des structures d'entreprises* [Fuzzy Sets Method Applied to the Management of Business Structures]. Sophia Antipolis Foundation, Antibes (France), March 5, 1998.
- *Sport et Economie* [Sport and Economy]. University of Perpignan (France), March 24, 1998.
- *Mesures de performance des entreprises en comptabilité financière et comptabilité de gestion* [Measuring Performance of Enterprises in Financial Accountancy and Management Accountancy]. Seminar at the French Doctoral Association of Accountancy, Nantes (France), May 14, 1998.
- *Relations: Basic Concept in the Decision Theory*. Opening International Conference on Systems and Signals in Intelligent Technologies. State University of Belorussia, Minsk (Belorussia), September 28, 1998.

- *Vers une nouvelle théorie de la décision* [Towards a New Theory of Decision]. Opening Conference SIGEF'98 Conference, Lausanne (Switzerland), November 24, 1998.
- *La logique multivalente appliquée au domaine du management* [Multivalent Logic Applied to Management]. Federal Polytechnique School. Lausanne (Switzerland), November 24, 1998.
- *Management of Uncertainty in Practical Problems*. Faculty of Engineering of Reggio Calabria University (Italy), November 30, 1998.
- *Teoría de la incertidumbre: un nuevo paradigma para la toma de decisiones* [The Theory of Uncertainty: a New Paradigm for Decisions Making]. Faculty of Economic and Social Sciences Mérida (Venezuela), February 2, 1999.
- *Un outil mathématique au service de l'aide à la décision: la méthode des experts et la logique floue* [A Mathematical Tool at the Service of decision: the Experton Method and Fuzzy Logic]. Eupen (Belgium), February 9, 1999.
- *Politiche di sviluppo e occupazione a sostegno delle tematiche ambientali* [Development and Employment in the Environment Climatic]. Villa San Giovanni (Italy), February 25, 1999.
- *Neural Networks*. IV Summer School: Economics as a Complex System. International Institute for Advanced Scientific Studies. Vietri (Italy), May 22, 1999.
- *Neural Graphs in the Handling of Economic and Management Problems*. By invitation at the WIRN'99. Vietri (Italy), May 22, 1999.
- *El futuro de la investigación económica en el ámbito de la incertidumbre* [The Future of Economic Research in Uncertainty Sphere]. Opening SIGEF Conference, Morelia (México), November 15, 1999.
- *Modélisation de l'activité sportive dans l'incertain* [Modelisation of Sport Activity in Uncertainty]. Paper presented at *Atelier de Modélisation et Prévision*. University of Aix-Marseille, Aix-en Provence (France), January 14, 2000.
- *Aplicaciones de las matemáticas borrosas en la solución de problemas empresariales* [Fuzzy Mathematical Application to Resolving Business Problems]. Faculty of Economic and Business Science, University of Oriente, Santiago de Cuba, June 16, 2000.

- *La recherche Scientifique face aux changements économiques* [Scientific Research faced to Economic Changes]. Chapelle Saint Dominique made in occasion of imposition degree of Doctor "Honoris Causa" degree for Perpignan University (France), October 13, 2000.
- *La recherche scientifique face aux changements économiques* [Scientific Research Faced to Economic Changes]. University of Réunion, Saint-Denis (La Réunion), November 25, 2000.
- *Avenir de l'activité scientifique dans le domaine de la simulation et modélisation* [The Future of Scientific Activity in Simulation and Modelling Field]. National Institute of Mail and Telecommunications. Rabat (Morocco), March 19, 2001.
- *Le prospettive dell'economia nello spazio Mediterraneo* [Economy Future in Mediterranean space]. Aula Magna in Facolta de Ingenieria of the University Mediterranean of Reggio Calabria (Italy) (Published), February 8, 2002.
- *De la prétopologie à la théorie des affinités. Nouvelles perspectives en économie et gestion* [Since Pretopology to Afinity Theory. News Perspectives in Management Economy]. Romanian Academy, Bucharest (Romania), May 27, 2002.
- *I problemi connessi con la gestione delle società sportive* [The Problems in Management of Sport Society]. Associazione Culturale Anassilaos in colaboration with Mediterranean University of Reggio Calabria (Italy), June 1, 2002.
- *La nuova centralita del Mediterraneo nel quatro dell'economica internazionale* [The New Mediterranean Centrality in the International Economic Frame]. University degli Studi di Messina. Messina (Italy), October 29, 2002.
- *Incorporación de la incertidumbre en la pretopología*. Opening Conference of IX SIGEF Conference. Merida (Venezuela), November 25, 2002.
- *Leyes del determinismo y la concepción darwiniana de la investigación económica* [The Determinism Laws and the Darwinian Conception in Economic Research]. "Montesquieu" University of Bordeaux Act confering the Doctor "Honoris Causa" Degree, Bordeaux (France), May 13, 2003.
- *La incertidumbre como realidad y como concepción metodológica* [Uncertainty as a Reality and as a Methodological Conception]. Auditorium of the Mayor of San Andres University, La Paz (Bolivia), May 26, 2003.
- *La reconstrucción del concepto de Fondo de Maniobra* [Reconstruction of Working Capital Concept]. Michoacan University, Morelia (Mexico), June 13, 2003.

- *Luces y sombras en la génesis de una ciencia mediterránea* [Ligths and Shadows in the Genesis of a Mediterranean Science]. University of Messina Act conferring the Doctor “Honoris Causa” degree. Messina (Italy), February 27, 2004.
- *La actividad científica en el contexto euro-mediterráneo* [Scientific Activity in the Euro-Mediterranean Context]. Academy of the Morocco Kingdoo (Published), Rabat (Morocco), May 28, 2004.
- *Las lógicas multivalentes en el ámbito de la economía y la gestión de empresas* [Multivalent Logics in Sphere of Economy and Business Management]. Ecole Supérieure des Sciences Economiques et Commerciales (ESSEC), University of Tunisia, February 3, 2005.
- *Nuevas perspectivas de la investigación científica en economía y gestión de empresas* [New Perspectives in Scientific Research in Economy and Business Management]. Faculty of Economy and Management Sciences (Tunisia). February 4, 2005.
- *Evolución o revolución de la investigación científica* [Evolution and Revolution of Scientific Research]. Act of closing the AMSE International Conference 2005, Morelia (Mexico), April 29, 2005.
- *Le nuove realtà e loro interpretazioni scientifica* [New Reality and its Scientific Interpretation]. Club di Terni. Terni (Italy), May 19, 2005.
- *Nuevos avances en el tratamiento de la complejidad en economía y gestión de empresas* [New Advances in the Treatment of Complexity in Economy and Business Management]. Polo Universitario in Terni. Terni (Italy). May 20, 2005.
- *Nouvelles perspectives des sciences économiques dans un monde d’incertitudes* [New Perspectives of Economic Sciences in a World of Uncertainties]. Act conferring the Doctor “Honoris Causa” Degree by Petrosani University, Romania, May 23, 2005.
- *Las nuevas corrientes de la actividad científica ante la complejidad* [New Trends of Scientific Activity Faced Compexity]. Centro de Investigación y Desarrollo del Estado de Michoacan [State Research and Development Center of the State of Michoacan], Morelia (México), September 8, 2005.
- *Nations et minorités dans la Communauté Européenne* [Nations and Minorities within the European Community], Sinaia (Romania), September 29, 2005.
- *Marruecos y España: desafíos y retos de una asociación de progreso* [Morocco and Spain: Trials and Challenges of an Association for Progress]. I Hispano-Moroccan Business Meeting. Sevilla, November 17, 2005.

- *La ciencia en el contexto Euro-Mediterráneo* [Science in the Euro-Mediterranean Context], Sinai (Romania), September 23, 2006.
- *La actividad científica frente a la complejidad económica* [Scientific Activity faced Economic Complexity]. Solemn Session of the Economic Section in the Romanian Academy (Bucharest), September 25, 2006.
- *El determinismo y la libertad en la Europa Mediterránea* [Determinism and freedom within Mediterranean Europe]. III Solemn International Act of the Royal Academy of Economics and Financials Sciences, Barcelona, November 16, 2006.
- *Géometrisme et évolutionisme dans la science économique* [Geometrism and Evolucionism in Economic Science]. Opening Session of the XII International SIGEF Conference SIGEF 2006, Hammamet (Tunisia), November 30, 2006.
- *La formalización de las nuevas realidades complejas. Movilidad, economía y cultura* [Formalisation of the New Complex Realities. Mobility, Economy and Culture]. Opening Session of the XIV SIGEF Congress. Poiana Brasov (Romania), November 1, 2007.
- *Global Directions of New Economic Thinking*. Ceremony of introduction as Doctor "Honoris Causa" by the Azerbaijan Economic State University. Baku(Azerbaijan), November 23, 2007.
- *Le retour de la source des connaissances aux espaces méditerranéens* [Return of Knowledge Sources aux Mediterranean Spaces]. Ceremony: *Alger capitale de la culture arabe 2007*. Argel (Algeria), December 18, 2007.
- *Toma de decisiones en ambientes inciertos* [Decision Making in Uncertain Environments]. ECON 2008 University of Buenos Aires. Buenos Aires (Argentina), Juny 4, 2008.
- *La encrucijada mecanicismo-darwinismo en los nuevos enfoques científicos* [The Mechanicism Darwinism Crossroad in the New Scientific Approaches]. Inaugural Conference MS'08 Spain AMSE Congress. Palma de Mallorca (Spain), Juny 18, 2008.
- *The Mediterranean in the World Today*. Inaugural Conference of UNIMED, Mediterranean Universities Union. Culture Palace of Tunes, October 24, 2008.
- *Uno spazio euromediterraneo per la formazione e la ricerca*. Conference under the chairmanship of the President of the Republic of Italy. Convegno Internazionale "Mezzogiorno Euromediterraneo. Idee per lo sviluppo." Reggio Calabria University. Reggio Calabria (Italy), January 16, 2009.

- *El desafío del progreso social sostenible* [The Challenge of Sustainable Social Progress]. Ceremony introduction as Doctor “Honoris Causa” by the Timisoara University. Timisoara (Romania), April 22, 2009.
- *Thoughts on the Crisis Grom a Scientific Perspective*. Opening Session of the Workshop WIRN’09, organized by the Italian Society for Neural Networks. Vietri sul Mare (Italy), May 29, 2009.
- *The scientific Research of a Future Sustainable Economic Development*. Opening Session of the Computational Intelligence in Business and Economics Congress. Published in the book from Publisher World Scientific of the same name. Barcelona, July 15, 2010.
- *L’apportation Scientifique de l’Europe Méditerranéenne: quelques traits historiques*. [Scientific Contribution of Mediterranean Europe : some Historical Signals]. International Seminar “Penser l’Europe”. Bucharest (Romania), October 8-9, 2010.
- *Nouvelles perspectives pour des langages mathématiques de demain*. [New Perspectives for a Mathematical Languages for Tomorrow]. International Conference “Turning to Account the Cultural Identities in Global Processes”. Bucharest, Juny 24-25, 2011.
- *Où va la science économique?: L’incertain et la liberté* [Where the Economic Science go ?, Uncertainty and Freedom]. International Seminar “Penser l’Europe.” Bucharest (Romania), October 13, 2011.
- *Modernization Policy New Economic and Social Challenges*. Conference pronounced during the International Day of the same name (Abstract published). Baku (Azerbaijan), December 21, 2011.
- *Passé et futur dans les espaces Méditerranéens*. Meeting Algerian-Spanish in Bejaia University. Bejaia (Algeria), April 26, 2012.
- *L’Islam est-il soluble dans l’Europe?* [Is Islam Solvable in Europe ?]. International Seminar “Penser l’Europe”. Romanian Academy, Bucharest (Romania), October 5, 2012.
- *La recherche scientifique et le progrès économique* [Scientific Research and Economic Progress]. Institut National de Recherche Economique. Bucharest (Romania), December 20, 2012.
- *Quelques réflexions sur l’avenir de l’Europe*. Conference for the International Opening Conference in « Post Crisis Economy : Challenges and Opportunities ». Sibiu (Romania), May 17, 2013.

- *Looking at the Future of the Scientific Research*. Conference for the Formal Ceremonies Opening Between the Azerbaijan National Academy of Sciences and the RACEF from Spain. Baku, May 30, 2014.
- *Nuevas vías en la actividad investigadora ante la complejidad y la incertidumbre de los sistemas sociales*. Conference in the Odla Yurdu University. Baku (Azerbaijan), May 30, 2014.
- *Sapere, conoscere, crescere*. Conference at the Palazzo Campanella for the work Training Project's Presentation, Sponsored by the European Social Funding. Reggio Calabria (Italy), June 27, 2014.
- *Le modèle culturel européen. Harmonisation et durabilité (Recherche Scientifique et progrès économique)*. Conference at the Romanian Academy. Bucharest (Romania), October 2, 2014.
- *Le long chemin vers l'Europe de l'avenir*. Conference at the Plenary Ceremony for the Seminar « Penser l'Europe ». Bucharest (Romania) October 3, 2014.
- *El futuro de los estudios económicos*. Conference for the reception of the "Honoris Causa" Doctor attributes XXIth Century University of Córdoba (Argentina). February 19, 2015.
- *El conocimiento científico: su formalización y su adaptación a las nuevas realidades*. Video-Conference for the Ilumno Universities Net. Miami (USA), July 1, 2015.
- *Fuzzy Logic and Economic Science*. Opening Conference at the Plenary Ceremony for the XVIII SIGEF CONGRESS. Girona (Spain), July 7, 2015.
- *La subjectivité dans la nouvelle identité de la science économique européenne*. Conference at the International Seminar « Penser l'Europe ». Bucharest (Romania), October 3, 2015.
- *¿Hacia donde va la ciencia económica ?*. Opening Conference at the Academic Solemn Act in Estate University of Belarus. Minsk, Belarus, May 16, 2016.
- *El papel del desorden social ante el futuro de complejidad e incertidumbre*. Closing Conference in XXVth AEDEM International Congress. Riga (Latvia), September 2, 2016.
- *Vers une reformulation de la Science Economique*. Conference pronounced at the reception as Doctor « Honoris Causa » at the Studii Economize Academy of Moldavia. Chisinau (Moldavia), September 23, 2016.

- *Apprendre versus copier. L'apprentissage en sciences sociales.* Conference at the International Seminar « Penser l'Europe ». Bucharest, Romania, September 30, 2016.
- *El nuevo aire del Círculo Internacional de Barcelona.* Opening Conference and presentation or the International Session. Barcelona, November 12, 2016 (Published).
- *También en la ciencia se hace camino al andar.* Closing Conference of the XI International Act in Barcelona. Barcelona, November 10, 2016. (Published).
- *Universul din Celulă.* Conference at the Symposium organized as a tribute to Maya Simionescu. Romanian Academy, Bucharest, February 23, 2017.
- *La experiencia europea: una búsqueda de la solidaridad compartida.* Presentation of the Solemn Academic Act in Moldavia. *The economy of the future in Europe. Science and reality.* Chisinau, Moldova. May 24, 2017.
- *Beaucoup pour nous unir très peu pour nous séparer.* Presentation at the Seminar "Penser l'Europe". Bucharest, Romania. September 29, 2017.
- *Las nuevas áreas del poder económico mundial.* Opening Conference of the International Session in Barcelona and presentation of *Barcelona Economics Network.* Barcelona, November 16, 2017 (Published).
- *Hacia una nueva estructura social.* Presentation Conference of the Academic Session in Israel, jointly with the Royal Academy in Tel-Aviv University. Tel-Aviv, May 15, 2018.
- *La Ciencia y la Cultura ante la incertidumbre de una sociedad en transformación.* Closing Conference in the Academic Session in Israel. Tel-Aviv, May 16, 2018.
- *L'économie de la Roumanie. Un siècle de transformations.* Opening Conference at the 5th International Conference ESPERA 2018. Bucharest, Romania. May 24, 2018.
- *Microbiologie et Economie face à la littérature.* Conferența pronunțată la sesiunea științifică pentru aniversarea a 85th a Academicianului Eugen Simion. Academia din România. Bucharest, May 25, 2018.
- *Rumanía en el corazón del poder económico.* Opening Conference at the XXVII International Conference "Local Entrepreneurship and Globalization" in Bucharest. University of Economic Studies. Bucharest, Romania. September 4, 2018.

- *La nouvel axe du pouvoir économique: rôle de la Roumanie*. Conference at the Seminar “Penser l’Europe”. Bucharest, Romania. September 22, 2018.
- *Las revoluciones tecnológicas frente al mandato biológico*. Opening Conference of the XIII International Seminar in Barcelona *Desafíos de la nueva sociedad sobrecompleja: humanismo, transhumanismo, dataismo y otros ismos*. Royal Academy of Economic and Financial Sciences. Barcelona, November 15, 2018. (Published).
- *En el horizonte del poshumanismo*. Closing Conference at the XIII International Seminar in Barcelona *Desafíos de la nueva sociedad sobrecompleja: humanismo, transhumanismo, dataismo y otros ismos*. Royal Academy of Economic and Financial Sciences. Barcelona, November 16, 2018. (Published).
- *La Inteligencia Artificial en la adopción de decisiones para la cohesión territorial*. Opening Conference at the Academic Session jointly with the Beira Interior University in Portugal. Covilha, June 19, 2019. (Published).
- *Escudriñando el futuro de la complejidad: la playa de entropía*. Closing Conference of the Academic Session in the Beira Interior University in Portugal. Covilha, June 19, 2019. (Published).
- *Papel de la memoria en la armonía entre territorios: el algoritmo de Portugal*. Conference pronounced during the Academic Session jointly with RACEF and the Beira Interior University in Portugal. Covilha, June 19, 2019. (Published).
- *L’académie et le Savoir*. Conference at the Seminar “Penser l’Europe”. Bucharest, Romania. October 5, 2019. (Published).
- *La Revolution Digitale au service de la créativité*. Conference pronounced at the reception as Doctor “Honoris Causa” of Academy of Studii Economic din Bucuresti. Bucharest, Romania. October 9, 2019.
- *Contributions personnelles pour une nouvelle théorie: la théorie des Incidences Autoinduits*. Conference pronounced at the first Session of the VI International Conference Economic Scientific Research Theoretical, Empirical and Practical Approaches” in the Academy of Romania. Bucharest, Romania. October 10, 2019.
- *La inmigración como medio de potenciar el progreso compartido*. Opening Conference at the XIV International Seminar of Barcelona. “Migraciones”. Royal Academy of Economic and Financial Sciences. Barcelona, November 14, 2019. (Published).
- *Un ensayo para la solución al problema migratorio a través de la Inteligencia Artificial*. Conference pronounced at the B.E. N. International Seminar “Migraciones” of RACEF. Barcelona, November 14, 2019. (Published).

- *De la acumulación a la renovación del conocimiento*. Closing Conference at the International Seminar in Barcelona: "Migraciones" in RACEF. Barcelona, November 15, 2019. (Published).
- *Le Cercle de Bucharest*. Conference pronounced (Telematically) at the Academy of Sciences from Romania. Bucharest, October 8, 2020.
- *El Pacto de Toledo y las pensiones*. Opening Conference of the XV International Seminar in Barcelona "La vejez: conocimiento, vivencia y experiencia." Pronounced telematically from R.A.C.E.F. Barcelona, November 19, 2020. (Published).
- *Vejez y recolución digital*. Conference pronounced telematically in the XV International Seminar in Barcelona "La vejez: conocimiento, vivencia y experiencia." Barcelona, November 19, 2020. (Published).
- *¿Hacia donde vamos?.* Closin Conference of the XV International Seminar in Barcelona "La vejez: conocimiento, vivencia y experiencia." Barcelona, November 20, 2020. (Published).
- *Una estructura sólida para un "reset" pospandémico*. Opening Lecture of the XVI International Seminar in Barcelona "La nueva economía después del Sars-Cov-2. Realidades y revolución tecnológica." Royal Academy of Economic and Financial Sciences. Barcelona (Spain), November 18, 2021. (Published).
- *Algoritmo sobre la capacidad de atracción de inversiones*. Lecture delivered at the XVI International Seminar in Barcelona "La nueva economía después del Sars-Cov-2. Realidades y revolución tecnológica." Royal Academy of Economic and Financial Sciences. Barcelona (Spain), November 18, 2021. (Published).
- *La Escuela de Economía Humanista de Barcelona en la etapa pospandémica*. Closing Lecture of the XVI International Seminar in Barcelona "La nueva economía después del Sars-Cov-2. Realidades y revolución tecnológica." Royal Academy of Economic and Financial Sciences. Barcelona (Spain), November 19, 2021. (Published).
- *Una nueva propuesta para un nuevo posicionamiento geoeconómico*. Opening Lecture of the I Open International Spring Seminar in Barcelona "Soluciones económicas y tecnológicas a la degradación del ecosistema del planeta." Royal Academy of Economic and Financial Sciences. Barcelona (Spain), June 8, 2022. (Published).

- *La generación de recursos es importante, su buena gestión imprescindible.* Closing Lecture of the I Open International Spring Seminar in Barcelona “Soluciones económicas y tecnológicas a la degradación del ecosistema del planeta.” Royal Academy of Economic and Financial Sciences. Barcelona (Spain), June 9, 2022. (Published).
- Welcome Lecture of the 2022 International Congress on Innovation and Sustainability (ICONIS), organized by the Red Iberoamericana para la Competitividad, Innovación y Desarrollo (Redcyd), Universidad Tecnológica de Sydney, Universidad Pedagógica y Tecnológica de Colombia, and Universidad Católica de la Santísima Concepción de Chile. October 26–28, 2022.
- *El sonido del silencio.* Opening Lecture of the XVII International Academic Act of Barcelona “¿Por qué no un mundo sostenible? La Ciencia Económica va a su encuentro.” Royal Academy of Economic and Financial Sciences. Barcelona (Spain), November 16, 2022. (Published).
- *Un caudal óptimo de flujos para la descarbonización.* Lecture delivered at the XVII International Seminar of Barcelona “¿Por qué no un mundo sostenible? La Ciencia Económica va a su encuentro.” Royal Academy of Economic and Financial Sciences. Barcelona (Spain), November 16, 2022. (Published).
- *Ahondar en el silencio para conseguir un nuevo sonido armónico.* Closing Lecture of the XVII International Academic Act of Barcelona “¿Por qué no un mundo sostenible? La Ciencia Económica va a su encuentro.” Royal Academy of Economic and Financial Sciences. Barcelona (Spain), November 17, 2022. (Published).
- *La Inteligencia Artificial en la economía humanista.* Opening Lecture of the Solemn Joint Academic Act with the University of Kragujevac, “Inteligencia Artificial: Innovaciones Económicas y Sociales.” Royal Academy of Economic and Financial Sciences. Barcelona (Spain), April 19, 2023. (Published).
- *En la búsqueda de una armonía entre inteligencias.* Closing Lecture of the Solemn Joint Academic Act with the University of Kragujevac, “Inteligencia Artificial: Innovaciones Económicas y Sociales.” Royal Academy of Economic and Financial Sciences. Barcelona (Spain), April 23, 2023. (Published).
- *Ciberseguridad: mensaje de España al mundo.* Opening Lecture of the II International Spring Seminar of Barcelona, “La ciberseguridad en la ciencia y en las actividades económicas.” Royal Academy of Economic and Financial Sciences. Barcelona (Spain), May 24, 2023. (Published).

- *Un momento para la memoria de Eugen Simion.* Lecture delivered at the II International Spring Seminar of Barcelona, “La ciberseguridad en la ciencia y en las actividades económicas.” Royal Academy of Economic and Financial Sciences. Barcelona (Spain), May 24, 2023. (Published).
- *Ensayo de un algoritmo para la gestión de la Ciberseguridad.* Lecture delivered at the II International Spring Seminar of Barcelona, “La ciberseguridad en la ciencia y en las actividades económicas.” Royal Academy of Economic and Financial Sciences. Barcelona (Spain), May 24, 2023. (Published).
- *El tratamiento de la subjetividad, un nuevo horizonte para la ciberseguridad.* Closing Lecture of the II International Spring Seminar of Barcelona. “La ciberseguridad en la ciencia y en las actividades económicas.” Royal Academy of Economic and Financial Sciences. Barcelona (Spain), May 25, 2023. (Published).
- *Una nueva metodología para la gestión de la sostenibilidad.* Opening Lecture of the XVIII International Academic Act of Barcelona. “La voz de la ciencia económica frente a los límites de la vida en el planeta.” Royal Academy of Economic and Financial Sciences. Barcelona (Spain), November 15, 2023. (Published).
- *Mirando el futuro con esperanza.* Closing Lecture of the XVIII International Academic Act of Barcelona. “La voz de la ciencia económica frente a los límites de la vida en el planeta.” Royal Academy of Economic and Financial Sciences. Barcelona (Spain), November 16, 2023. (Published).
- *El maniqueísmo visto desde la Inteligencia Artificial.* Opening Lecture of the Solemn Joint Academic Act with Swiss Umef University of Geneva. “Las expectativas económicas inciertas en el inquietante orden mundial.” Royal Academy of Economic and Financial Sciences. Geneva (Switzerland), April 16, 2024. (Published).
- *Una sociedad para la formación permanente.* Closing Lecture of the Solemn Joint Academic Act with Swiss Umef University of Geneva. “Las expectativas económicas inciertas en el inquietante orden mundial.” Royal Academy of Economic and Financial Sciences. Geneva (Switzerland), April 19, 2024. (Published).
- *La subjetividad de la ciencia económica.* Lecture delivered in the tribute by the University of Reggio Calabria, October 25, 2024.
- *La formalización de la empresa del futuro.* Opening Lecture of the XIX International Academic Act of Barcelona. “La empresa del futuro: crecimiento, sostenibilidad y beneficio.” Royal Academy of Economic and Financial Sciences. Barcelona (Spain), November 14, 2024. (Published).

- *La valoración de la incertidumbre.* Closing Lecture of the XIX International Academic Act of Barcelona. “La empresa del futuro: crecimiento, sostenibilidad y beneficio.” Royal Academy of Economic and Financial Sciences. Barcelona (Spain), November 15, 2024. (Published).
- *Aportación de quadrivium a la nueva economía humanista.* Opening Lecture of the International Academic Act of Reggio Calabria. “La huella de la inteligencia artificial en la economía humanista.” Royal Academy of Economic and Financial Sciences. Reggio Calabria (Italy), May 2, 2025. (Pending publication).
- *Los algoritmos humanistas en la inteligencia artificial.* Lecture delivered at the International Academic Act of Reggio Calabria. “La huella de la inteligencia artificial en la economía humanista.” Royal Academy of Economic and Financial Sciences. Reggio Calabria (Italy), May 2, 2025. (Pending publication).
- *Una matemática para las ciencias del humano y para el humano.* Closing Lecture of the International Academic Act of Reggio Calabria. “La huella de la inteligencia artificial en la economía humanista.” Royal Academy of Economic and Financial Sciences. Reggio Calabria (Italy), May 2, 2025. (Pending publication).



CONDUCTED NATIONAL COURSES AND SEMINARS

- Seminar, in conjunction with Professor A. Kaufmann: *La Teoría de los subconjuntos borrosos aplicada a la gestión de las empresas, en un futuro incierto* [The Fuzzy Subsets Theory Applied to Business Management in an Uncertain Future]. Santiago de Compostela University, Faculty of Economic Science, October 7-9, 1996.
- Seminar in conjunction with Professor A. Kaufmann: *Técnicas para reducir la incertidumbre en las decisiones de la empresa* [Techniques for Reducing Uncertainty in Business Decisions]. Faculty of Economic Science, University of Málaga, December 2-3, 1986.
- Seminar in conjunction with Professor A. Kaufmann: *Como dominar la incertidumbre en las decisiones de las empresas* [How to Dominate Uncertainty in Business Decisions]. Business Administration School of Barcelona, February 9-10, 1987.
- Seminar, in conjunction with Professor A. Kaufmann: *Técnicas operativas de gestión para el tratamiento de la incertidumbre* [Operating Techniques for Treating Uncertainty]. Faculty of Economic Science of the University of Barcelona, June 1-2, 1987.
- Doctoral course: *Teoría de los subconjuntos borrosos y la empresa* [Theory of Fuzzy Sub-sets and the Company]. Faculty of Economic and Business Science University of Valencia, January 14-15, 1998.
- Seminar in conjunction with Professor A. Kaufmann: *Nuevas direcciones en el tratamiento de los problemas de gestión* [New Directions in the Treatment of Management Problems]. Faculty of Economic and Business Sciences University of Barcelona, January 27-28, 1998.
- Seminar: *Financiación de las empresas en un ambiente incierto* [Business Financing in a Uncertainty Environment]. Vigo School of Business, September 12-13, 1988.
- Seminar in conjunction with Professor A. Kaufmann: *Nuevos métodos para la solución de los problemas de gestión en la incertidumbre* [New Methods for Resolving Management Problems in Uncertainty]. Faculty of Economic and Business Science. University of Barcelona, November 23-24, 1988.
- Seminar on Business Management organised by Jordi Morera Jansa SA. *Dirección financiera: técnicas actuales y futuras* [Financial Management: Current and Future Techniques]. Alicante, March 3 and April 13, 1989.
- Doctoral course at the Faculty of Economic and Business Science University of Valencia. March 9-10, 1989.

- Seminar in conjunction with Professor A. Kaufmann: *Nuevas técnicas de gestión de empresas para el futuro incierto* [New Business Management Techniques for an Uncertain Future]. Faculty of Economic Science of Barcelona, December 12-13, 1989.
- Doctoral Course. Seminar at the Faculty of Economic and Business Sciences. University of Valencia: *Gestión en la incertidumbre: técnicas y aplicaciones de la teoría de los subconjuntos borrosos* [Management in Uncertainty: Techniques and Applications of the Theory of Fuzzy Sub-sets]. Valencia, February 6-7, 1990.
- Seminar: *Técnicas operativas para la gestión financiera* [Operative Techniques for Financial Management]. IDEGA (Institute for Study and Development of Galicia). La Coruña, June 19-20, 1990.
- Seminar in conjunction with Professor A. Kaufmann: *Técnicas de gestión basadas en la intervención de expertos* [Management Techniques Based on the Intervention of Experts]. Faculty of Economic Sciences. University of Barcelona, November 13-14, 1990.
- Course on "Business Management" organized by J. Morera Jansa SA. Seminar: *Técnicas de gestión financiera* [Techniques of Financial Management]. Alicante, April 15-22, 1991.
- Doctoral Course: *Economía financiera avanzada* [Advanced Financial Economy] at the Faculty of Economic and Business Sciences. University of Alicante, April 22-23, 1991.
- Seminar in conjunction with Professor A. Kaufmann: *Técnicas operativas para la dirección estratégica* [Operative Techniques for Strategic Management]. Faculty of Economic Sciences. University of Barcelona, February 18-19, 1992.
- Seminar in conjunction with Professor A. Kaufmann: *Técnicas de gestión de empresas. Previsiones, decisiones y estrategias* [Techniques in Business Management. Forecast, Decisions and Strategies]. Faculty of Economic Sciences. University of Barcelona, November 24-25, 1992.
- Doctorate Course: *Métodos cuantitativos en el análisis histórico* [Quantitative Methods in Historical Analysis]. University of Santiago de Compostela, March 2, 1994.
- Postgraduate Course in Directing and Management of Cooperatives and Small and Medium sized Companies. University of Santiago de Compostela, March 2, 1994.

- Course: *Introducción a la teoría de los subconjuntos borrosos* [Introduction to the Fuzzy Sub-sets Theory]. Rovira i Virgili University, February and March, 1994.
- Seminar in conjunction with Professor A. Kaufmann: *Técnicas especiales para la gestión de expertos* [Special Techniques for Managing Experts]. Rovira i Virgili University, Reus, Spain, May 16-17, 1994.
- Doctoral Course: *Matemática aplicada a la contabilidad y a la empresa* [Mathematics Applied to Accountancy and Business]. Title: *Gestión financiera de la empresa* [Financial Business Management] (30 hours). Gerona, February 1995.
- Doctoral Course: *Nuevas tendencias en dirección de empresas* [New Trends in Business Management]. Title: *Hacia un nuevo paradigma de selección de inversiones en la incertidumbre* [Towards a New Paradigm in the Selection of Investments in Uncertainty]. León, May 29-30, 1995.
- Doctoral Course: *Investigación operativa superior* [Higher Operative Investigation]. Faculty of Economy and Business Sciences. Rovira i Virgili University, Reus, December 1995-January 1996 (22 hours).
- Doctoral Course: *Investigación operativa superior* [Higher operative Investigation]. Faculty of Economy and Business Sciences. Rovira i Virgili University, Reus, December 1996 -January 1997 (22 hours).
- Postgraduate Course on: *Dirección e Xestión de cooperativas e Peme's* [Direction and Management of Cooperatives and Small and Medium sized Companies]. Direction and Financial Calculation Module. University of Santiago de Compostela, February, 1997.
- Postgraduate and University Extention Course: *Gestió Financera i fiscal de les Entitats Esportives 1999-2000* [Finances and Fiscal Management of the Sport Business]. University of Barcelona, April, 2000.
- Third Cicle Seminar. Doctorate programme. Title *La incertidumbre en la gestión financiera de la empresa* [Uncertainty in Business Financial Management]. University of Valencia, February 22-23, 2001.
- Doctoral Seminar: *La empresa ante la globalizacion: riesgo y conocimiento* [Business Faced to Globalisation: Risk and Knowledge]. Session on the *La encrucijada de la ciencia económica* [Crossroads of Economic Science]. University of the Basque Country, Bilbao, January 24, 2004.
- Doctoral Seminary: *Estudio y tratamiento de la complejidad en la economía y gestión* [Study and Complexity Treatment in Economics and Management]. University of the Basque Country, Bilbao, April 27, 2006.

- Doctoral Seminary: *Física y economía. Desde la convergencia a la divergencia* [Physics and Economy. From Convergence to Divergence]. University of Basque Country, Bilbao, May 30, 2007.
- Doctoral Seminar: *El tratamiento de los problemas económicos en tiempos revueltos* [Treatment of Economic Problems in Hard Times]. University of the Basque Country, Bilbao, April 9, 2008.



CONDUCTED INTERNATIONAL COURSES AND SEMINARS

- Doctoral Course (Third Cycle) at I.A.E., Grenoble (France): *Teoría y técnicas de las inversiones extranjeras* [Theory and Techniques for Foreign Investments]. March 1974.
- Annual International Course given at IFIP at CEPIA (Versailles) between the years 1974 and 1986 inclusive. (France).
- Seminar: *L'idée de régulation dans le mouvement des sciences* [Regulation Idea Within the Movement of Sciences]. On the subject of *La régulation dans l'entreprise: financement, investissement et changement de structures* [Regulation within Business: Financing, Investment and Change of Structures]. Paris, December 5-10, 1977.
- Seminar: *Problemas de Gestión de las Empresas en condiciones de incertidumbre*. National and World University of Sofia. Sofia (Bulgaria), October 25-27, 1990.
- Seminar: *Marketing and Finances of Sporting Societies*. Marketing and Management Institute of Sofia. Sofia (Bulgaria), June 19-22, 1991.
- Seminar: *Nuevas lógicas en la evolución futura de las ciencias sociales* [New Logic in Future Evolution of Social Sciences]. Belorussia University, November 20,-21, 1991.
- Doctoral Course of I.A.E. of the Bordeaux University: *La multivalence dans les logiques de gestion* [Multivalence in Management Logic]. Bordeaux (France), February 24-25, 1992.
- Course: *Los problemas de dirección de empresas* [Problems of Business Management]. Belorussia State University. Minsk (Belorussia), October 19-21, 1992.
- Seminar: *Significación y tratamiento económico de la incertidumbre poco estructurada* [Significance and Economic Treatment of Unstructured Uncertainty]. Belarus State University. Minsk (Belorussia), May 24-26, 1993.
- Seminar: *Matemática borrosa. Nuevas técnicas para la dirección estratégica* [Fuzzy Mathematics. New Techniques for Strategic Management]. Buenos Aires University. Buenos Aires (Argentina), November 9-12, 1993.
- Seminar: *Análisis financiero en la incertidumbre* [Financial Analysis in Uncertainty]. Oriente University. Santiago de Cuba (Cuba), June 13-16, 1994.
- Seminar: *La estructura financiera de empresas: solvencia, rentabilidad y crecimiento* [Financial Structure of Businesses: Solvency, Profitability and Growth]. State Economic University of Belarus. Minsk (Belorussia), May 22-23, 1995.

- Round table discussion: *La valoración en los procesos de privatización* [Valuation in Privatization Processes]. State Economic University of Belarus, Minsk (Belorussia), May 23, 1995.
- Round table discussion: *Carrefour Européen* [European Cross Road]. Ecole de Commerce Européenne. Bordeaux (France), June 24, 1995.
- Debate on: *Les enjeux du sport* [The Economic Challenge of Sport]. Palais du Pharo. Marseille (France), May 27, 1998.
- *Méthode des sous ensembles flous appliquée à la gestion des structures d'entreprises* [Method of Fuzzy Sub-Sets Applied to the Management of Business Structures]. Seminar on New Telecommunications Techniques. Sophia Antipolis School of Mines, Antibes (France), November 13, 1998.
- *Economía, Finanza e Sport* [Economy, Finance and Sport]. Seminar. Faculty of Economy of the University of Messina (Italy), December 1, 1998.
- *Teoría de la incertidumbre en el ámbito económico* [The Uncertainty Theory in the Sphere of Economics]. Seminar (18 hours), Los Andes University, Mérida (Venezuela), February 3-5, 1999.
- *La gestión financiera des sociétés sportives* [Financial Management of Sporting Companies] (12 hours). Special Master in International Management of Sport. Ecole Supérieure Commerce Marseille-Provence. Marseille (France), April 6-7, 1999.
- *La logique floue appliquée à la gestion des structures d'entreprises* [Fuzzy Logic Applied to Business Structure Management]. New Telecommunications Techniques Seminar. Ecole des Mines Sophia-Antipolis y CNET. Antibes (France), July 5, 1999.
- *La gestión des entreprises à l'aide des sous-ensembles flous* [Business Management with the Aid of Fuzzy Sub-sets]. Seminar. Ecole des Mines Sophia-Antipolis. Antibes (France), November 23, 1999.
- *Gestion technique et financière des sociétés sportives* [Technical and Financial Management of Sporting Companies] (12 hours). Specialised Master in International Management of Sport]. Ecole Supérieure de Commerce Marseille-Provence. Marseille (France), March 9-10, 2000.
- *Economia delle attività sportive* [The Economy of Sporting Activity]. Seminar at the Faculty of Economics. University of Messina (Italy), March 18, 2000.

- *Teoría de la incertidumbre* [The Uncertainty Theory]. II Seminar (18 hours). University of Los Andes. Mérida (Venezuela), March 28-30, 2000.
- *Gestión de la empresa en incertidumbre* [Management Company in Uncertainty]. Seminar (9 hours). Instituto Superior Politécnico “José Antonio Echevarria”. La Habana (Cuba), June 19-20, 2000.
- *Nouvelles réalités économiques et de gestion et l'emploi des sous-ensembles flous* [New Economic and Management Realities and the Use of Fuzzy Sets]. Seminar (7 hours). Foundation Sophia Antipolis. Antibes (France), June 25-26, 2000.
- *Logique floue et gestion dans l'incertain* [Fuzzy Logic and Management in Uncertainty]. Seminar Diplome National D' Etudes Approfondies en Economie et Gestion (DEA). La Réunion University. Saint-Denis (La Réunion), November 21, 2000.
- *La gestion financière des sociétés sportives* [Financial Management of Sport Companies]. Seminar 12 hours in the 3rd course *International Management of Sport*. Ecole Supérieure de Commerce Marseille-Provence. Marseille (France), February 19-20, 2001.
- *Gestión de la empresa en la incertidumbre* [Business Management in Uncertainty]. II International seminar (12 hours). Universidad Politécnica de la Habana. Instituto Superior José Antonio Echevarria. La Habana (Cuba), April 24-25, 2001.
- *Desarrollo de las técnicas de gestión fuzzy* [Development of Fuzzy Management Techniques]. International Seminar (4 hours). Faculty of Economic and Business Science of the University of Oriente. Santiago de Cuba (Cuba), April 27, 2001.
- *Situation et perspective de la mathématique de l'incertain dans la gestion des entreprises* [Situation and Perspective of Mathematic in Uncertainty in Management]. Seminar (10 hours), University of La Réunion, Group of Research GREGE01, Saint Denis (France), November 5-9, 2001.
- *La gestion technique et économique des sociétés sportives* [Technique and Economic Management in Sports Society]. Seminar (6 hours), Ecole Supérieure de Commerce Marseille-Provence, Marseille (France), February 4-5, 2002.
- *Per una Calabria Mediterranea. Economia, Società, Territorio* [For a Mediterranean Calabria. Economy, Society, Territory]. Agraria Faculty, Mediterranean University of Reggio Calabria (Italy), February 8, 2002.
- *L'incertezza nelle decisioni finanziarie* [Uncertainty in Financial Decision]. Seminar in Master: “Valitazione dei sistemi integrati territoriali.” Mediterranean University of Reggio Calabria (Italy), May 31, 2002.

- *La teoria dell'incertezza nelle organizzazioni: l'approccio fuzzy nelle decisioni economiche e sociali* [Uncertain Fuzzy Theory in Organization: Fuzzy in Economic and Social Decisions Delivering]. Seminar in Facoltà di Giurisprudenza of University "Magna Graecia" of Catanzaro (Italy), June 1, 2002.
- *Europa Norte-Sur: papel de la mediterránea* [Europe North-South. Role of the Mediterranean]. Coordination of the Round Table, I International Meeting of the Mediterranean, Tarragona (Spain), October 22, 2002.
- *Prospettive di collaborazione culturale nel Mediterraneo* [Prospects of Cultural Cooperation in the Mediterranean]. Coordination of the Round Table of the Meeting on International Relations. Reggio Calabria University, Reggio Calabria (Italy), March 7, 2003.
- *La gestion internacional des sociétés sportives* [International Management of Sporting Companies]. Seminar 12 hours, 3rd Cycle *Management International du Sport*. Ecole Supérieure de Commerce Marseille-Provence, Marseille (France), March 20-21, 2003.
- *Los nuevos enfoques económicos y sociales del deporte para un escenario mundial diferente* [New Economic and Social Sport Approaches for a Different World Scenario]. President of the Plenary Session of the Sports Congress 2003, Barcelona, May 15, 2003.
- *Nuevas técnicas para la decisión estratégica e inversión bajo incertidumbre* [New Techniques for Strategic Decision and Investment in Uncertainty] (8 hours). International Seminar, Economists School of La Paz, La Paz (Bolivia), May 28, 2003.
- *La teoría de la incertidumbre en la empresa* [The Uncertainty Theory in Business] (6 hours). Seminar In two Courses in Economy and Business. Michoacana University of San Nicolas de Hidalgo, Morelia (México), June 13-14, 2003.
- *Teoria della sequenzialita graduale e sulle possibili applicazioni all'Economia Aziendali* [Gradual Sequenciality Theory and its Possible Application in Management]. Doctorate Seminar on Research in Business Economy, University of Messina (Italy), February 28, 2004.
- *Problems of Uncertainty in Mathematics. Past, Present and Future*. Seminar, Institute of Mathematics and Information Technologies of the L.N. Gumilyov Eurasian National University, Astana (Kazakhstan), August 25-28, 2004.
- *New Trends in Mathematical Economics*. Seminar, Institute of Economics and Institute of International Affairs of the L.N. Gumilyov Eurasian National University. Astana (Kazakhstan), August 25-28, 2004.

- *Innovation to Compete in the Global Market*. Round Table organised by the University of Perugia and the Rotary Club of Terni, Terni (Italy), October 23, 2007.



ORGANIZATION AND PARTICIPATION IN INTERNATIONAL FORMAL CEREMONIES

Under his presidency, the following international ceremonies have been organized and realized:

Country	Institution	Date
Morocco	Academy of the Morocco Kingdom	28.5.2004
Romania	Romanian Academy	20.6.2005
Tunisia	University of Tunis	20.3.2006
Italy	Lincei National Academy	8.5.2007
Poland	Polish Science Academy	12.6.2008
Montenegro	Arts and Sciences Academy	18.5.2009
Belgium	Arts, Letters and Sciences Academy	9.6.2010
Jordany	Royal Jordan Society of the Sciences	8.11.2010
Srpska Rep.	Arts and Sciencies Academy	16.5.2011
Finland	Finnish Institute of Inter. Affairs	9.2.2012
Argelia	Univ. of Béjaïa	26.11.2012
Andorra	Univ. Andorra y Univ. La Salle	19.4.2013
Switzerland	Jean Monnet Foundation	6.6.2013
Azerbaijan	Sciences Academy of Azerbaijan	30.5.2014
Cuba	Univ. of Matanzas	5.5.2015
Bielorrusia	Statal Univesity of Bielorrusia	16.5.2016
Moldova	Academy of Economics Studies	26.5.2017
Israel	University of Tel-Aviv	15.5.2018
Portugal	Univerity of Beira Interior	19.6.2019

Country	Institution	Date
Serbia	University of Kragujevac	20.5.2023
Geneva (Switzerland)	Swiss UMEF University	17.04.2024
Reggio Calabria (Italy)	University of Reggio Calabria	2.5.2025



PARTICIPATION IN NATIONAL WORKINGS DAYS AND CONGRESSES

- Participation in the II Basque World Congress on: *La distribución geográfica empresarial en un espacio plurinacional* [Geographical distribution of Business in a Pluri-national Space]. October 6, 1987.
- Zaragoza School of Commerce Centenary. *La investigación operativa en el ámbito de la empresa. Perspectivas actuales y futuras* [Operational Research in the Business Sphere. Current and Future Perspectives]. November 13, 1987.
- V Economic Working Days. *Técnicas operativas de gestión empresarial: nuevas aportaciones para el tratamiento de la incertidumbre* [Operational Techniques for Business Management. New Contributions for Uncertainty Treatment]. Faculty of Economic and Business Sciences, University of Santiago de Compostela, March 10-11, 1988.
- II AEDEM Congress (Spanish Association of Business Economy), speaking on: *El riesgo y la incertidumbre en el momento actual* [Risk and Uncertainty at Present]. Las Palmas de Gran Canaria, May 11-13, 1988. (Published).
- IV Management Leadership Congress. *Situación y perspectivas económico-financieras frente al reto de 1992* [Economic and Financial Situation and Perspectives faced 1992 Challenge]. Alicante, October 20, 1988.
- VII Seminar-Convention: "Management Leadership and Sales-Marketing", organised by Jordi Morera Jansa SA. *La creatividad a través del STIM-5* [Creativity by means STIM-5]. Alicante, October 7-8, 1989.
- *Encuentros internacionales de financiación empresarial* [International Meetings on Business Financing]. *La gestión financiera para la empresa del futuro* [Financial Management for Business in Future]. Faculty of Economic and Business Sciences, Bilbao, May 14-16, 1990.
- V Spanish-Portuguese Congress on Scientific Management. *Ensayo sobre un modelo de diagnóstico económico-financiero* [Trial on a Model of Economic-Financial Diagnosis]. Business School Vigo, September 26-29, 1990. (Published).
- VIII Working Days-Convention on Management Leadership and Sales-Marketing. Paper given on: *Planteamientos económicos-financieros y comerciales para el futuro de las empresas* [Economic-Financial and Commercial Aspects for Business in the Future]. Alicante, November 10-11, 1990.

- Seminar Third Cycle. Doctoral Programme *Economía financiera y contabilidad* [Financial Economy and Accountancy]. *Aplicaciones de la teoría de los subconjuntos borrosos a la gestión financiera* [Applying the Fuzzy Subsets Theory to Financial Management]. Valencia, February 14-15, 1991.
- Doctoral Seminar: *Modernas técnicas de gestión financiera para la incertidumbre* [Modern Techniques of Financial Management in Uncertainty]. Faculty of Economic and Business Sciences, University of León, April 9-10, 1991.
- Participation as an Expert in the 1st Congress on Social Economy in Galicia: *Crédito cooperativo y trabajo asociado* [Cooperative Credit and Associated Work]. Vigo, May 9-11, 1991.
- Working Day: *La gestión de empresas mediante la utilización de sistemas expertos* [Business Management by Means of Expert Systems]. Business School of Vigo, May 21, 1991.
- Seminar: *Técnicas de gestión de empresas a través de la opinión de expertos* [Business Management Techniques by Means of Experts Opinion]. Faculty of Economic and Business Sciences. Santiago de Compostela, May 21-22, 1991.
- I Spanish-French Conference on Management and Economy "Companies" organized by AEDEM. Course: *La programación de actividades por el método del semáforo* [Programming Activities by Means of Traffic Signal System] with A. Kaufmann. Reus, October 23-25, 1991.
- Galician Conference on Consumption. Course: *A vivienda e o consumidor* [House and/or Consumer]. Lugo, December 11-13, 1991.
- Doctoral Seminar Financial Economy Programme. *Aplicaciones de la Teoría de los subconjuntos borrosos a la gestión financiera* [Application of Fuzzy Subsets Theory to Financial Management]. Faculty of Economic and Business Sciences, University of Valencia, March 30-31, 1992.
- Seminar: *Nuevas técnicas de gestión en la incertidumbre* [New Techniques of Management in Uncertainty]. Department of Applied Economy. University of the Basque Country and University School of Business Studies of San Sebastián, April 27-28, 1992.
- I European Conference on Business Management and Economy. *Incidencias de la fiscalidad en la decisión de invertir en ambiente de incertidumbre* [Fiscal Incidence on the Decision to Invest in Uncertainty Atmosphere]. Huelva, May 27-29, 1992.
- Doctoral Seminar: *Técnicas secuenciales de gestión* [Sequential Management Techniques]. Business Economy Department, University of León, June 8-9, 1992.

- Third Cycle Seminar *Aplicaciones de la teoría de los subconjuntos borrosos a la gestión de la empresa* [Applications of Fuzzy Sub-sets Theory to Business Management]. University of Valencia, March 22-23, 1993.
- VII National Conference and III Spanish-French Conference of AEDEM. *La estimación de magnitudes económicas en el proceso de inversión* [Estimation of Economic Magnitudes in the Investment Process]. Córdoba, June 2-4, 1993. (Published).
- Third Cycle Seminar. Doctorate Programme: *Economía Financiera y Matemática* [Financial Economy and Mathematical]. *Aplicaciones de la teoría de los Subconjuntos borrosos a la Gestión de la Empresa* [Applications of Fuzzy Sub-sets Theory to Business Management]. Valencia, March 14-15, 1994.
- VIII National Conference and IV Spanish-French Conference of AEDEM. *La selección de inversión en base a criterios diversificados* [Investment Selection Based on Diversified Criteria]. Cáceres, June 8-10, 1994. (Published).
- IV Spanish Conference on Fuzzy Technology and Logic: *La incertidumbre en la economía y gestión de empresas* [Uncertainty in Economy and Management]. (Published). Blanes, September 14-16, 1994.
- Spanish-French Seminar: Prespectives Research in Financial Analysis. *Posición del análisis Financiero en las finanzas empresariales* [Financial Analysis Position in Business Finances]. (with A.M. Gil Lafuente). Reus, September 23-24, 1994.
- I International Conference on Fuzzy Management and Economics (SIGEF). *La colocación óptima de recursos financieros. El modelo ISFUNE* [Optimum Placing of Financial Resources. The ISFUNE Model]. Reus, November 16-18, 1994. (Published).
- Third cycle seminar. Doctorate Programme: *Economía Financiera* [Financial Economy]. *Aplicación de la teoría de subconjuntos borrosos a la gestión de la empresa* [Application of Fuzzy Sub-sets Theory to Business Management]. Valencia, March 27-28, 1995.
- IX National Conference and V Spanish-French Conference of AEDEM. University of Castilla-La Mancha. Toledo, May 2-5, 1995.
- IX Working Days-Convention on Management Leadership and Sales-Marketing. *La gestión de la empresa en el año 2000* [Business Management in Year 2000]. Alicante, October 21-22, 1995.

- II International Conference on Management and Fuzzy Economy. *Modelos no numéricos de asignación en la gestión de personal* [Non Numerical Models in Personnel Management Assignment]. Santiago de Compostela, November 15-17, 1995. (Published).
- Round table discussion: *Tendencias actuales de investigación en gestión y economía fuzzy* [Current Investigation Trends in Management and Fuzzy Economy]. Galician School of Political Studies, Santiago de Compostela, November 17, 1995.
- Third Cycle Seminar. Doctoral Programme *Economía Financiera* [Financial Economy]. *Técnicas de gestión mediante redes neuronales en la incertidumbre* [Management Techniques by Means of Neural Networks in Uncertainty] (10 hours). Valencia, February 20-2, 1996.
- Seminar *Xarxes neuronals per a l'economia i la gestió d'empreses* [Neural networks for the business economy and management]. University of Girona, Girona, March 6-18, 1996, (8 hours).
- Roundtable on *Patrocini, mecenatge i llei de fundacions* [Sponsorship, Patronage and Foundations Law]. *Jornades de temes d'actualitat en la gestió d'entitats esportives* [Meeting on Current Subjects in Sporting Entities Management]. Faculty of Economic and Business Sciences, University of Barcelona, March 14, 1996.
- X National Conference and VI Spanish-French AEDEM Conference *Asociación Europea de dirección y economía de la empresa* [European Association of Business Management and Economy]. University of Granada, Granada, June 11-14, 1996.
- International Conference: Intelligent Technologies in Human-Related Sciences of AMSE. Plenary Conference: *Programming Investment Activities*. León (Spain). July 5-7, 1996. (Published).
- Round Table Discussion on: *El futur de l'estat de benestar* [The Future of the Welfare State]. At the M. Carrasco i Formiguera Summer School. Platja d'Aro, July 13, 1996.
- V International Conference European Association of Business Management and Economy. University of Prague. Prague, September 9-11, 1996.
- Third Cycle Seminar. Doctorate Programme: *Economía Financiera* [Financial Economy]. *Aplicaciones de la teoría de los subconjuntos borrosos a la gestión de la empresa* [Application of Fuzzy Sub-sets Theory to Business Management] (10 hours). Valencia, October 28-29, 1996.

- Seminar: *Pasado, presente y futuro de la economía de la empresa* [Past, Present and Future of Business Economy] *Modelos y técnicas de gestión* [Models and Management Techniques] and *Modelos y técnicas de gestión de las finanzas* [Models and Techniques of Financial Management]. University of the Basque Country, January 30-31, 1997.
- Seminar: *Teoría dos subconjuntos borrosos e aplicaciones* [Theory and Application of Fuzzy Sub-sets]. University School of Business Studies of Lugo, February 7-8, 1997.
- XI National Conference and VII Spanish-French Conference of AEDEM "European Association of Business Management and Economy". University of Lérida. Lérida, June 17-20, 1997.
- IV *Journées Catalanes de Mathématiques Appliquées* [IV Catalan Working Days on Applied Mathematics]. Conference: *Concept and Importance of Order in the New Paradigm of the Decision Theory*. Proceedings pp. 47-60, Tarragona, February 11-13, 1998. (Published).
- Third Cycle Seminar. Doctorate Programme *Economía financiera* [Financial Economy] *Decisiones de inversión en la incertidumbre* [Invest Desisions in Uncertainty]. Valencia, February 19-20, 1998, (8 hours).
- Third Cycle Seminar. Doctorate Programme *Economía Financiera* [Financial Economy]. *Aplicación de la teoría de los subconjuntos borrosos a la gestión de la empresa* [Application of Fuzzy Sub-sets Theory to Business Management]. Valencia, March 11-12, 1999.
- Third Cycle Seminar. Doctorate Programme. *Aplicaciones de los subconjuntos borrosos a la gestión de la empresa* [Application of Fuzzy Sub-sets to Business Management]. University of Valencia, Valencia, February 10-11, 2000.
- XIV National Conference, X Spanish-French Conference of AEDEM *European Association of Business Management and Economy*. University of Jaen (Spain), June 7-9, 2000.
- International Conference on Modelling and Simulation MS'2000. University of Las Palmas de Gran Canaria, September 25-27, 2000.
- Working Day: *Nuevos desafíos de la Economía de la Empresa* [New Challenges for Business Economy] in memoriam of Profesor Emilio Soldevilla. *Entre la epistemología y la lógica. Decisión y algoritmo de ordenación* [Between Epistemology and Logic. Decision and Order Algorithm]. FESIDE Foundation, Bilbao, January 19, 2001.

- Third Cycle Seminar. Doctoral program *La incertidumbre en la gestión financiera de la empresa*. University of Valencia. Valencia , February 22-23, 2001.
- XV National Conference, XI Spanish-French Conference of AEDEM “European Association of Business Management and Economy”. *Enseñanzas de tercer ciclo: Doctorado* [Third Cycle Teaching: Doctorate]. University of Las Palmas de Gran Canaria, June 13-15, 2001.
- XVI National Conference-XII Spanish-French Conference of AEDEM *La empresa intangible* [The Intangible Enterprise]. University of Alicante, Alicante, June 5-7, 2002.
- II Gresol-Poblet Meeting: *L’empresari i el seu entorn: reptes i oportunitats* [The Businessman and his Surroundings: Challenges and Opportunities]. *Negocis en temps incerts* [Business in Uncertain Times]. Montblanc. (Spain), March 17, 2003.
- XVIII Annual Conference- XIV Spanish-French Conference of AEDEM *La empresa y su entorno* [Business and its Surroundings]. University of Vigo, Orense Campus, Orense, June 2-4, 2004.
- XIX Annual Conference-XV Spanish-French Conference of AEDEM *El comportamiento de la empresa en entornos dinámicos* [The Performance of Companies in Dynamic Surroundings]. University of Basque Country, Vitoria, June 8-10, 2005.
- XXI Annual Conference and XVIII Spanish-French Conference AEDEM *Empresa global y mercados actuales* [Global Companies and Current Markets]. Rey Juan Carlos University, Madrid, June 6-8, 2007.
- XXII Annual Conference of European Academy of Management and Business Economics. Salamanca University. Salamanca, June 18-20, 2008.
- Working Day *Situación económica actual* [Current Economic Situation]. Rovira i Virgili University, Reus, May 28, 2009.
- XXV Annual Conference of European Academy of Management and Business Economics. Valencia University, Valencia, June 8-10, 2011.
- Solemn Academic Act *Prespectivas Económicas frente al Cambio Social, Financiero y Empresarial*. Rioja University and San Millán de la Cogolla Foundation, Logroño (Spain), October 14, 2016.
- Solemn Academic Act *El pensamiento económico ante la variedad de espacios españoles*. Extremadura Univesity (Spain), March 3, 2017.

- Solemn Academic Act *ConCiencia*, for the 50 Anniversary of Economics Studies in Galicia. Presentation for Professor Finn Kydland, with the speech: *Economic Policy and the Growth of Incomes of Nations*. Santiago de Compostela University, June 8, 2018.
- Solemn Academic Act *Las ciencias económicas y financieras ante una sociedad en transformación*. University of León and the Junta of Castilla y León (Spain), April 19-20, 2018.
- Solemn Academic Act *Complejidad financiera: mutabilidad e incertidumbre en instituciones, mercados y productos*. University of the Balearic Islands (Spain), April 10-12, 2019.
- Solemn Academic Act *Los confines de la equidad y desigualdad en la prosperidad compartida*. University of Cantabria (Spain), May 7-8, 2020.
- Solemn Academic Act *Incidencias económicas de la pandemia. Problemas y oportunidades*. University of Valencia (Spain), October 21-22, 2021.
- Solemn Academic Act *Los nuevos desafíos y oportunidades de la transformación digital de la economía española*. University of Salamanca (Spain), March 15, 2023.
- Solemn Academic Act *La ciberseguridad como imperativo para la economía de España*. National Cybersecurity Institute (León, Spain), March 17, 2023.
- Solemn Academic Act *Retos Económicos y sociales en el horizonte de 2030*. University of Santiago de Compostela (Spain), June 4-7, 2024.
- Solemn Academic Act *El cambio epistemológico en la inteligencia artificial y su incidencia en la actividad económica*. University of Granada (Spain), May 22, 2025.



PARTICIPATION IN INTERNATIONAL WORKING DAYS AND CONGRESSES

- XI Euro Conference on Operational Research. *Selection of Affinities by Means of Fuzzy Relations and Galois Lattices*. Aachen (Germany), July 16-19, 1991
- Symposium on *Sistemas borrosos e inteligencia artificial* [Fuzzy Systems and Artificial Intelligence]. Member of the International Committee of Advisers of Fuzzy Systems and A.I. Symposium. Iasi FSAI'91 (Romania). October 10-12, 1991.
- International'92 Geneva Conference on SIGNALS and SYSTEMS. *Phénomènes économiques chaotiques de croissance* [Chaotic Economic Phenomena of Growth]. (in collaboration with Professor Teodorescu) and *A Chaotic Fuzzy Model for a Management Problem* (in collaboration with Professor Teodorescu and Professor A.M. Gil Lafuente). Geneva (Switzerland), June 17-19, 1992.
- International Fuzzy Systems Symposium ISKIT'92. *Periodicity and Chaos in Economic Fuzzy Forecasting* (in collaboration with Professors A. M. Gil Lafuente and N. H. Teodorescu). Japan, July 12-15, 1992.
- 2nd International Conference on Fuzzy Logic Systems and Neural Networks. *Chaotic Fuzzy Models in Economy* (in collaboration with Professors A.M. Gil Lafuente, N. H. Teodorescu and A.P. Tacu). Iizuka (Japan), July 17-22, 1992.
- 2nd International Conference of the Balkanic Union for Fuzzy Systems and Artificial Intelligence. *Investments Decisions in a Context of Uncertainty*. Karadeniz Technical University. Trabzon (Turkey), August 31-September 5, 1992.
- *Deuxième Congrès Franco-Espagnol de Management des Entreprises. Le Management des entreprises dans l'espace économique européen* [Second French-Spanish Conference on Business Management. Business Management within the European Economic Area]. Bordeaux (France), September 24-25, 1992.
- International Conference on Fuzzy Systems and Artificial Intelligence. *The Economic Environment in the Decision of Investment within a Context of Uncertainty*. Iasi (Romania), October 28-31, 1992.
- Deuxième journée Nationale. *Les applications des ensembles flous* [Second National Conference. Application of Fuzzy Sets]. In homage of Professor A. Kaufmann. Nimes (France), November 2-3, 1992.
- VI Luso-Spanish Scientific Management Conference. *Modelo de selección de inversiones con desconocimiento de las magnitudes económico-financieras* [Model for Selection of Investment with no Knowledge of the Economic-Financial sizes]. Funchal. (Portugal), December 10-12, 1992. (Published).

- International Colloque *Metropoles et Aménagement du Territoire*. Paris (France), May 12-13, 1993.
- 6th Congress INTERKIBERNETIK'93. *Recurrent Processes, Hidden Effects, and Chaos in Economics and Biology*. With N.H. Teodorescu, A.p. Tacu, A.M. Gil Lafuente and A. Brezulianu. Iasi (Romania), August 23-26, 1993.
- International Seminar on systems: Member of the Scientific Committee of the "International AMSE Conference SYS'93". *Fuzzy Signals and Systems, Creativity, Chaos and Fuzziness* (with V. Belous and N.H. Teodorescu), and *Modelling Complex Phenomena by Networks of Fuzzy Systems* with N.H. Teodorescu, V. Belous, E. López González, A.M. Gil Lafuente). London (United Kingdom), September 1-3, 1993.
- 1st Sysposium Romano-Spanish Inter-Academic. *Creativitatea ea suport al concurenței viitoare în noua Europa*. Bucharest (Romania), September 7-8, 1993.
- II European AEDEM Conference. FAMM [Fuzzy Adverse Minimum Method]. Minsk (Belorussia), September 20-22, 1993. (Published).
- International AMSE Conference: Sysposium on Fuzzy Systems and Neural Networks SYS'94. *Criterial Selection of Investments within a Context of Uncertainty*. Pp. 61-71 of volume I of the Proceedings, Lyon (France), July 4-6, 1994. (Published).
- 3rd International Conference on Fuzzy Logic, Neural Sets and Soft Computing. *Analysis of Chaotic Trade Models and Improved Chaotic Fuzzy Trade Models* (in collaboration with N.H. Teodorescu and others). Published in the Proceedings, pp. 399-450, Iizuka (Japan), August 1-7, 1994.
- III European AEDEM Conference. *El fenómeno del desgaste en un proceso de cambio* [The Phenomenon of Wear and Tear in a Process of Change]. Published in the Proceedings, pp. 435-449, Bucharest (Romania), September 5-7, 1994.
- Third BUFSA International conference of Fuzzy Logic, neural Networks and A. I. *The Reduction of Subjectivity in Uncertain Economic Models*. Bucharest (Romania), October 28-30, 1994.
- International AMSE Symposium. *Investment when Criteria are Not Specified*. Brno (Czech Republic), July 3-5, 1995. (Published).
- IV European AEDEM Conference. University of National and World Economy. Sofia (Bulgaria), September 18-20, 1995.

- Symposium in tribute of Grigore Moisil. *Doi fondatori ai logicii nuantate. Grigore C. Moisil and A. Kaufmann.* Iasi (Romania), March 15, 1996.
- Spanish-French Seminar *Investigación en análisis financiero* [Investigation in Financial Analysis]. University of Paris IX.Dauphine. Paris (France), May 16-17, 1996.
- International Conference on Intelligent Technologies in Human-Related Sciences of AMSE. Plenary conference: *Programming Investment Activities.* León (Spain), July 5-7, 1996. (Published).
- V International Conference of the European Association of Business Management and Economy. University of Prague, Prague (Check Republic), September 9-11, 1996.
- III Rencontre Internationale ACSEG *Approches Connexionnistes en sciences Economiques et de Gestion* [Coconnectionist Approaches in Economic and Management Sciences]. Inaugural conference: *Les approches connexionnistes dans le changement du paradigme de la théorie de la décision* [Connectionist Approaches within the Changing Paradigm of the Theory of Decision]. Nantes (France), October 25, 1996. (Published).
- III International Conference of Management and Fuzzy Economy (SIGEF).Inaugural speech *Lances y desventajas del nuevo paradigma de la teoría de la decisión* [Critical Moments and Misfortunes of the New Paradigm of the Theory of Decision]. Proceedings, volume I. Buenos Aires (Argentina), November 10-13, 1996. (Published).
- Round Table: *La incertidumbre* [Uncertainty]. Chamber of Commerce of Buenos Aires (Argentina), November 13, 1996.
- XIX Meeting of the EURO Working Group on Financial Modelling. *Financial Modelling in the New Paradigm of Decision Theory.* Chania-Crete (Greece), November 28-30, 1996.
- Round Table (Norddentsche Tafelrunde): *Ciencias aplicadas a las instituciones y empresas* [Science Applied to Institutions and Businesses]. German Society of Applied Science, Bremen (Germany), May 23, 1997.
- International Sysmposium on Intelligent Systems ISIS'97. Plenary Conference: *The Affinities Theory in Economics and Management.* Reggio Calabria (Italy), September 11-13, 1997. (Published).

- VI International Conference of the European Association of Business Management and Economy. University of Chania. *Las afinidades entre productos en la nueva teoría de la decisión* [Affinities between Products in the New Decision Theory]. Proceedings, pp. 589-602, Chania (Greece), September 15-17, 1997. (Published).
- IV International Meeting of ACSEG. *Les affinités dans le nouveau paradigme de la théorie de la décision* [Affinities in the New Paradigm of Decision Theory]. Published in the ACSEG Proceedings, pp. 206-217, Tours (France), October 24, 1997.
- III International Conference on Modelling and Simulation AMSE. *Model for Assembling Products by Means of Clans*. Proceedings, pp. 296-504. Melbourne (Australia), October 29-31, 1997. (Published).
- IV International Conference on Fuzzy Management and Economy (SIGEF). Inaugural Speech: *La ordenación en la nueva teoría de la decisión* [Order in the New Decision Theory]. (Published). Volume III. Santiago de Cuba (Cuba), November 17-19, 1997.
- XIX AFC Conference (French Accountancy Association). *El concepto de relación en el análisis financiero* [The Concept of Relation in Financial Analysis] (Published). Proceedings. Nantes (France), May 14-16, 1998.
- International AMSE Conference on Contribution of Cognition to Modelling. Claude Bernard University of Lyon (France), July 6-8, 1998.
- VII International AEDEM Conference. Bogaziçi University of Istanbul (Turkey), September 8-10, 1998.
- International AMSE Conference on Systems and Signals in Intelligent Technologies. Belarus State University of Minsk (Belorussia), September 28-30, 1998.
- V International Meeting of ACSEG. Plenary Session: *Accumulative and Non-Accumulative Forms in Levels of Relations*. Proceedings (no pp.). Louvain-la-Neuve (Belgium), November 20, 1998. (Published).
- V International Conference of Fuzzy Management and Economy (SIGEF). *Decision by Means of Interconnecting Relations*. Published in the Proceedings (No general paging). Lausanne (Switzerland), November 24-27, 1998.
- 44th World Conference of the International Council for Small Businesses ICSB'99. Chairman of the Workshop Lean Tools: *the Fuzzy Logic for Small Businesses*. Naples (Italy), June 20-23, 1999.

- International Conference AMSE (Association for Modeling and Simulation Techniques in Enterprises). Plenary Conference: *Fuzzy Neural Graphs for Management*. Published in the Development and Practice of Artificial Intelligence Techniques. Pp. 13-19, Durban (South Africa), September 24-26, 1999.
- VI International Conference of Fuzzy Management and Economy (SIGEF) University Michoacana de San Nicolas de Hidalgo. Morelia (México), November 15-17, 1999.
- VI International Meeting ACSEG *Advances in Computational Management*. Rovira i Virgili University. Reus (Spain), December 10, 1999.
- IX Course in Specialisation in Management and Direction of Small and Medium Sized Businesses. Santiago de Compostela University (Spain), January 2000.
- Seminar on *Sistemi di monitoraggio ambientali basati su reti neurali*. Consorzio Innova Reggio. Villa San Giovanni (Italy), March 20, 2000.
- AMSE International Conference on Modelling and Simulation. Cairo (Egypt), April 11-14, 2000.
- IX International AEDEM Conference Co-ordinator of the Plenary Session. Temuco (Chile), September 5-7, 2000.
- VII International Conference of Fuzzy Management and Economy (SIGEF). Technical University of Crete and Mediterranean Agronomic Institute of Chania. Chania (Greece), September 18-20, 2000.
- International Conference on Modelling, Simulation and Neural Networks MSNN'2000. University of Los Andes. Merida(Venezuela), October 22-24, 2000.
- International Conference on Communications, Signals and Systems CSS'01. Institut National des Postes et Télécommunications. Rabat (Morocco), March 19-21, 2001.
- International Conference of the European Association of Management and Business Economics. Facolta di Ingegneria. Universita di Reggio Calabria. Reggio (Italy), September 4-6, 2001.
- International Conference *New Economic Windows. New Paradigms for the New Millenium*. Conference: *Treatment of Uncertainty in New Economy*. University of Salerno (Italy), September 13-15, 2001. (Published in CD ROM Conference).
- VIII International SIGEF Conference *New Logics for the New Economy*. University of Napoli "Federico II". Naples (Italy), September 20-21, 2001.

- International Conference on *Modelling and Simulation in Distributed Applications MS'2001*. Inaugural Conference: *Management Problems in Uncertainty*. National University of Defense Technology (NUDT) Changsha, Hunan (China), September 25-27, 2001.
- International Conference on *Business Decision and Technology BDT'02*. Inauguration Conference: *A No-Numerical Theory of Decision in Uncertainty*. Kuwait University. Kuwait City (Kuwait), March 18-20, 2002.
- International Conference on Modelling and Simulation in Technical and Social Sciences, MS'2002 Spain. Chairman of the work-session. University of Gerona. Gerona (Spain), June 25-27, 2002.
- XI International Conference de l'Association Européenne de Direction et Economie de l'Entreprise AEDEM *Les limites de l'entreprise*. Paris-Dauphine University. Paris (France), September 2-4, 2002.
- Fourth International Conference on Modelling and Simulation, *Modelling and Simulation: Keys to Technological Advances*. Victoria University. Melbourne (Australia), November 11-13, 2002.
- IX International SIGEF Conference. Speaker at the Plenary Session. Merida (Venezuela), November 25-27, 2002.
- XII Spanish-Portuguese Meeting on Scientific Management. Organised by the Faculty of Business Administration and Management of the University of Santiago de Compostela. Lugo (Spain), February 12-14, 2003.
- I World Congress on the Economic Management of Sport 2003. *Los nuevos enfoques económicos del deporte para un escenario mundial diferente* [New Economic Approaches to Sport for a different World Scenari]. World Trade Center, Barcelona (Spain), May 14-16, 2003.
- XVII Annual Conference and XIII French-Spanish Conference of the European Association of Business Management and Economy. *Evolution, révolution et savoir dans les organisations* [Evolution, Revolution and Knowledge within Organisations]. Montesquieu University. Bordeaux IV, Bordeaux (France), June 4-6, 2003.
- Mediterranean Conference on Modelling and Simulation MCMS'03. Faculty of Engineering. Mediterranean University. Reggio Calabria (Italy), June 25-27, 2003.

- XII International Conference of AEDEM *El gobierno equilibrado de la empresa* [Balanced Government of Business]. Technological University of Santiago. Santiago de los Caballeros (Dominican Republic), September 2-4, 2003.
- II Congress "Penser l'Europe" [Thinking Europe]. Organised by the Romanian Academy and the UNESCO. *La conception darwinienne dans la communication économique* [The Darwinian Conception within Economic Communication]. Brasov (Romania), October 2-5, 2003.
- X International SIGEF Conference. Plenary speech: *De la teoría de clanes a la pretopología borrosa de Moore* [From the Theory of Clans to the Moore Fuzzy Pretopology]. León (Spain), October 9-11, 2003.
- IX Epistemology Meeting of Economic Sciences. *La incertidumbre en la teoría administrativa. El pensamiento darwiniano de lo económico* [Uncertainty in the Administrative Theory. Darwinian Thought on Economics]. Buenos Aires (Argentina), October 16-17, 2003.
- X International ACSEG Meeting. Plenary Conference: *Un essai de topologie floue pour la gestion*. Nantes (France). November 20-21, 2003. Published on DVD.
- MS'2004 International Conference AMSE. *A Topology Called Clan. Its Immersion in Social Sciences*. State University of Belorussia. Minsk (Belorussia), April 27-29, 2004. Proceedings. Pp. 74-82.
- MS'2004-French Congress. UFR-GEP Université Claude Bernard-Lyon I. Domaine Universitaire de Lyon-Villeurbanne La Doua. Lyon (France), July 5-7, 2004.
- International Conference on Modelling and Simulation ICMS'04-Spain. *Fuzzyfication of a Clan as an Uncertain Topology*. University of Valladolid. Valladolid (Spain), September 22-24, 2004.
- XI International SIGEF Conference. University of Reggio Calabria and Messina (Italy), November 8-10, 2004.
- International Conference on Modelling and Simulation AMSE'05. University Michoacana de San Nicolas de Hidalgo. Morelia (México), April 27-29, 2005.
- SASM'05 International Conference. Technical University Gh. Asachi. Iasi (Romania), May 4-7, 2005.
- Academic Meeting at Perpignan. *Nouvelles perspectives de la recherche scientifique en économie et gestion* [New Perspectives of Scientific Research in Economy and Management] (with A. M. Gil Lafuente). Perpignan (France), May 20, 2005.

- XIV International Conference of AEDEM'05. *Simultaneidad gradual y multifocalidad empresarial* [Gradual Simultaneity and Multifocality in Business]. Morelia (México), September 8-10, 2005.
- IV Congress "Penser l'Europe". Organised by the Romanian Academy and the Ministry of Education and Research *L'activité scientifique dans les nations et les minorités*. Sinaia (Romania), September 29-30, 2005.
- I Spanish-Moroccan Meeting of Businessmen. Congres Palace. Sevilla (Spain), November 17, 2005.
- International Conference on Modelling and Simulation ICMS'05 under the Patronage of H.M. King Mohammed VI. Cadi Ayyad University. Marrakech (Morocco), November 22-24, 2005.
- V Congress "Penser l'Europe" organised by the Romanian Academy and the National Foundation for Science and Art. *La Science dans le contexte méditerranéen*. Sinaia (Romania), September 20-24, 2006.
- XIII Conference of the International Association for Fuzzy Sets Management and Economy. *Optimizariun Tehniques: Fuzziness and Nonlinearity of Management and Economy. La optimización en la segmentación económica mediante fuzzy-algoritmos* [Optimisation in Economic Segmentation by Means of Fuzzy Algorithms] (with A. M. Gil Lafuente). Hammamet (Tunisia), November 30-December 2, 2006.
- Seminary *Economie et Culture* organised by the Romanian Academy Opening *La vida académica* [Academic Life]. Sibiu (Romania), June 9, 2007.
- VI "Penser l'Europe" Congress organised by the National Foundation for Science and Art. *La science économique face à un nouveau contexte de mondialisation*. Sinaia (Romania), September 26-29, 2007.
- International Conference on Modelling and Simulation MS'07. Terni (Italy), October 22-24, 2007.
- XIV International SIGEF Conference *Computacional Intelligence Applied to New Digital Economy and Business Ecosystems*. Poiana Brasov (Romania), November 1-3, 2007.
- International Seminary *Créations, médiations et métissages en méditerranée médiévale et moderne*, organized by the Bibliothèque Nationale d'Algérie. Alger (Algeria), December 17-18, 2007.
- II International Conference on Economy and Management ECON'08. Faculty of Economics Science of UBA. Buenos Aires (Argentina), June 2-5, 2008.

- AMSE International Conference MS'08 *Models and Simulation in Engineering, Economics and Management, and General Applications*. Illes Balears University. Palma de Mallorca (Spain), June 18-20, 2008.
- VII "Penser l'Europe" Congress organized by FNCA, l'Académie Roumaine, l'Institut de France, l'Institut Français de Relations Internationales de Belgique and RACEF. Présentation: *La transition de la science dans le contexte économique européen*. Sinaia (Romania), October 9-12, 2008.
- AMSE International Conference on Modelling and Simulation MS'08 Jordan. Al-Hussein Bin Talal University. Ma'an. Jordania. November 18-20, 2008.
- Convegno Internazionale Mezzogiorno Euromediterraneo. Idee per lo sviluppo. Aula magna d'Ateneo "Antonio Quistelli". Sponsored by the President of the Republic. Reggio Calabria (Italy), January 15-16, 2009.
- World Congress on Engineering 2009. Organized by the International Association of Engineers. London (United Kingdom), July 1-3, 2009.
- International Conference on Systems Research, Informatics and Cybernetics. Organized by the International Institute for Advanced Studies in Systems Research and Cybernetics. Baden-Baden (Germany). August 3-7, 2009.
- XV International Congress SIGEF Economic and Financial Crisis: New Challenges and Perspectives. Lugo (Spain), October 28-30, 2009.
- VIII "Penser l'Europe". Congress Organized by the Romanian Academy, l'Institut de France, FNCA, l' Institut de Relations Internationales and RACEF. *Le carrefour de l'enseignement dans l'Europe*. Bucharest (Romania), October 2-4, 2009.
- IV International Conference FACIREM *Globalisation and Governance*. RACEF, Barcelona, November 10-12, 2009.
- International Conference *Values and 21st Century*. Montenegrin Academy of Sciences and Arts. Podgorica (Montenegro), November 19-21, 2009.
- International Seminar *Economics Management and Optimization in Sports After the Impact of Financial Crisis* . RACEF, Barcelona, December 1-3, 2009.
- XIX International Conference *Global Financial and Business Networks and Information Management Systems*. Belarus State University and AEDEM. Minsk (Belorrusia), September 2-3, 2010.

- International Conference *Perspectivas Financieras para un futuro en crisis* [Financial Perspectives for a Future in Crisis] Organized on the occasion of the 130th anniversary of the Banca Nationala a Romaniei. Bucharest (Romania), September 3-6, 2010.
- IX "Penser l'Europe" Congress. *L'apport scientifique de l'Europe Méditerranéenne: quelques traits historiques*. Bucharest (Romania), October 8-9, 2010.
- World Policy Conference (WPC), organized by Institut Français de Relations Internationales IFRI. Marrakech (Morocco), October 15-18, 2010.
- Conferentia-Dezbatere *Egalitatea de Sanse în Cultura Europeana*. Organized by Romanian Academy. Bucharest (Romania), June 24-25, 2011
- XX International Conference *The New Economic International Relationships in the Light of Future Economic Recovery*. Montenegrin Academy of Sciences and Arts and AEDEM. Podgorica (Montenegro), September 5-6, 2011.
- X "Penser l'Europe" Congress. *Où va la science économique? L'incertain et la liberté*. Bucharest (Romania), October 13-14, 2011.
- International Conference *Modernization Policy: new Economic and Social Challenges*. Baku, Azerbaijan, December 21, 2011.
- XI "Penser l'Europe" Congress. *Les droits de l'homme et les valeurs du monde européen*". "L'Islam est-il soluble dans l'Europe? [Is Islam Soluble in Europe?]. Bucharest (Romania), October 5-6, 2012.
- Conference *Nova enciclopedie a României. Algunas reflexiones sobre el futuro de Europa* [Some Reflexions about the Future of Europe]. Romanian Academy, Bucharest (Romania). November 20, 2012.
- V World Policy Conference (WPC). Organised by French Institut of Foreign Affairs (IFRI). Cannes (France), December 7-10, 2012.
- XX International Economic Conference 2013. Anniversary Edition *Post Crisis Economy: Challenges and Opportunities*. Inaugural Plenary Conference: "Quelques réflexions sur l'avenir de l'Europe". Sibiu (Romania), May 17-18, 2013.
- XII Congress "Penser l'Europe". Talk: *La formation économique de l'homme européen*. Bucharest (Romania), October 4-6, 2013.
- XX Anniversary of the Srpska Republic Arts and Sciences Academy's Creation Banja Luka (Srpska Rep.), December 7, 2013.

- The International Conference “Economic Scientific Research: Theoretical, Empirical and Practical Approaches” ESPERA 2013. *Nouvelle pensée sur l’incertain*. Bucharest (Romania), December 11-12, 2013.
- VI World Policy Conference (WPC). Organized by the International Relations French Institute (IFRI) Mònaco (France), December 13-15, 2013.
- XIII Congress “Penser l’Europe”. *Le long chemin ver l’Europe de l’avenir*. Bucharest (Romania), October 3-4, 2014.
- XVIII SIGEF Congress. Conference “Medio siglo de ideas Fuzzy. Exposición del Cosmocaixa”. Girona (Spain), July 6-8, 2015.
- XIV Congress “Penser l’Europe”. *La subjectivité dans la nouvelle identité de la science économique européenne* » Bucharest (Romania), October 2-3, 2015.
- XXV AEDEM International conference *People, Socuce of Innovation and Value Creation in the Organization*. Riga International School of Economics and Business Admiinistration. Riga (Latvia), September 1-2, 2016.
- XV Congress “Penser l’Europe”. Presented ponency *Apprendre versus coprer. L’apprentissage en sciences sociales*. Bucharest (Romania), September 29-october 1, 2016.
- The International Academic Meeting *The Economy of the future in Europe. Science and Reality*. Chisinau, Moldavia, May 24-28, 2017
- XXVI AEDEM International Conference. Università degli Studi Mediterranea di Reggio Calabria. Reggio Calabria, Italy, September 4-5, 2017.
- XVI Congress “Penser l’Europe” *Les religions et l’identité européenne*. Bucharest (Romania), September 28-30, 2017.
- XXVII AEDEM International Conference. Bucharest University of Economic Studies (ASE). Bucharest (Romania), September 4-5, 2018.
- XVII Congress “Penser l’Europe”. *La Rpumanie-l’Europe 1918-2018*. Bucharest (Romania), September 21-23, 2018.
- XXVIII AEDEM International Conference. Tokio (Japan), September 3-4, 2019.
- XVIII Congress “Penser l’Europe”. *Le Rôle des Académies Européennes au XXI siècle*. Bucharest (Romania), October 4-5, 2019.

- XIX Congress “Penser l’Europe.” Bucharest, Romania, December 13, 2021.
- XX Congress “Penser l’Europe.” *Penser l’Europe, penser le monde.* Bucharest, Romania, September 28–29, 2023.
- XXI Congress “Penser l’Europe.” *Jusqu’où l’Union Européenne peut-elle s’élargir sans perdre son identité et donc son unité ?* Bucharest, Romania, October 3–4, 2024.
- XXII Congress “Penser l’Europe.” *Le soft et le hard power de l’Europe à l’ère des affrontements globaux.* Bucharest, Romania, October 2–3, 2025.



REPLY SPEECHES AT ROYAL ACADEMIES

- Mayor Zaragoza, Federico: *Alguns aspectes diferencials de la bioquímica del cervell neonat* [Certain Differential Aspects of the Biochemistry in the Brain of an Unborn Child]. Academy of Doctors of Catalonia, Lérida (Spain), May 24, 1982.
- Perroux, François: *La economía con intencionalidad científica y la inspiración termodinámica* [The Economy with Scientific Intentionality and the Thermodynamic Inspiration]. Academy of Economic and Financial Science, Barcelona (Spain), June 28, 1983.
- Barre, Raymond: *Estabilidad monetaria y progreso económico: las lecciones de los años 70* [Monetary Stability and Economic Progress: Lessons from the 70's]. Royal Academy of Economic and Financial Science, Barcelona (Spain), November 23, 1984.
- Barre Raymond: *Incidencia de la situación financiera internacional en la construcción de Europa* [Incidence of the International Financial Situation for the Construction of Europe]. Royal Academy of Doctors. Barcelona (Spain), October 23, 1986.
- Casado Juan, Fernando: *La ética en la gestión empresarial* [Ethics in Business Management]. Royal Academy of Economic and Financial Science. Barcelona (Spain), May 2, 1991. (Published).
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- Prado Freire, Camilo: *La concepción de la empresa y las relaciones que la definen: necesidades de pertenencia, de eficacia y de eficiencia* [The Conception of the Company and the Relations that Define the Same: Needs of Belonging, Effectiveness and Efficiency]. Barcelona (Spain), May 20, 1999. (Published).
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CONDUCTED AND SUPERVISED DOCTORAL THESIS

- 29-09-68 *Estructuras de Financiación de Empresas* [Structures of Business Finance]
Mr. Juan Bilbao Bergés
Result: First Class Honours "Cum Laude"
- 06-12-69 *Análisis estructural de la empresa* [Structural Analysis of the Company]
Mr. Marcial Jesús López Moreno
Result: First Class Honours "Cum Laude"
- 14-12-73 *Renovación de equipos con obsolescencia rápida por innovación tecnológica.*
[Renewal of Machinery Through Fast Obsolescence due to Technology]
Mr. Francisco Tarragó Sabaté
Result: First Class Honours "Cum Laude"
- 29-12-75 *Las inversiones en el marco microeconómico* [Investments within the
Microeconomic Framework]
Mr. Mario Aguer Hortal
Result: First Class Honours "Cum Laude"
- 29-07-76 *Marketing bancario* [Bank Marketing]
Mr. Fernando Casado Juan
Result: First Class Honours "Cum Laude"
- 29-09-76 *Renovación de equipos en estado de riesgo: Utilización de un modelo dinámico
con ley de supervivencia, ajustada a la Ley de Weibull* [Renewal of Equipment
is a State of Risk: Using of a Dynamic Model with a Law of Survival
Based on the Law of Weibull]
Mr. Juan José Renau Piqueras
Result: First Class Honours "Cum Laude"
- 22-05-78 *Las decisiones de inversión en la empresa en el mundo de la incertidumbre:
utilización de modelos de programación de inversiones con limitaciones
financieras* [Decisions for Investment in the Company in the World of
Uncertainty: Use of Models for Programming Investment with Final
Limitations]
Mr. José Vicente Puig Andreu
Result: First Class Honours "Cum Laude"

- 10-01-80 *El Marketing-Mix y su aplicación a diferentes tecnologías de productos turísticos. La segmentación del mercado turístico* [The Marketing Mix and its Application to Different Technologies of Tourist Products. Segmentation of the Tourist Market]
Mr. Luíś de Borja Solé
Result: First Class Honours "Cum Laude"
- 22-07-82 *Hacia un protomodelo hemicrofinanciero para estrategias en sistemas decisionales polítelicos* [Towards a Hemicrofinancial Protomodel for Strategies in Politelic Decisional Systems]
Mr. Francisco Munuera Benach
Result: First Class Honours "Cum Laude"
- 19-05-83 *Las cooperativas detallistas. Una posible solución a la grave crisis del comercio al detalle* [Retail Co-operative. A Possible Solution to the Serious Crisis in Retail Sales]
Mr. Vicente Font Pascual
Result: First Class Honours "Cum Laude"
- 20-06-84 *La regulación en la conceptualización sistemática* [Regulation in Systematic Conceptualisation]
Mr. Juan Trayter García
Result: First Class Honours "Cum Laude"
- 11-04-86 *Técnicas cuantitativas al servicio del marketing: Métodos descriptivos del análisis multivariable* [Quantitative Tecniques to Serve Marketing: Descriptive Methods of Multivarialbe Analysis]
Mr. Ramón Pedret Yebra
Result: First Class Honours "Cum Laude"
- 05-11-87 *Análisis crítico de la valoración económica de la empresa* [Critical Analysis of the Economic Business Valuation of the Company]
Mr. Emilio Salas Colillas
Result: First Class Honours "Cum Laude"
- 21-12-87 *Redes estratégicas colectivas* [Collective Strategic Networks]
Mr. Isidro Fainé Casas
Result: First Class Honours "Cum Laude"
- 07-07-88 *Análisis económico y financiero de la vivienda: un enfoque empresarial* [Economic and Financial Analysis of Hausing: a Business Viewpoint]
Ms. M^a Teresa Samaranch Salisachs
Result: First Class Honours "Cum Laude"

- 07-02-89 *La Franquicia: una estrategia de expansión para la empresa* [Franchising: A Strategy for Business Expansion]
Mr. Jaume Rigol Gasset
Result: First Class Honours "Cum Laude"
- 25-04-90 *La teoría financiera moderna y su aplicación para el diseño de estrategias de inversión en cartera de valores de renta variable: un análisis del mercado bursátil español* [The Modern Financial Theory and its Design Application of Investment Strategies in a Variable Income Securities Portfolio: an Analysis of the Spanish Stock Exchange Market]
Mr. José Manuel Araguás Terrén
Result: First Class Honours "Cum Laude"
- 14-12-90 *Cap a una industria farmacèutica de futur. Aspectes socioeconòmics i financers* [Towards a Pharmaceutical Industry of the Future. Socio-Economic and Financial Aspects]
Mr. Joaquim Puig Corcoy
Result: First Class Honours "Cum Laude"
- 13-05-92 *El sentido económico de la mediación mercantil en España* [The Economic Sense of Commercial Mediation in Spain]
Ms. Magdalena Jover Casanovas
Result: First Class Honours "Cum Laude"
- 06-10-92 *La previsión de la demanda. Aplicaciones como herramienta de gestión para la planificación comercial en el sector de la automoción. Un análisis del sector en España* [Estimate of Demand. Applications as a Management Tool for Commercial Planning in the Automotive Sector. An Analysis of the Sector in Spain]
Mr. Gustavo Martinez García-Tuñón
Result: First Class Honours "Cum Laude"
- 16-10-92 *Auditoría de marketing* [Marketing Auditing]
Mr. Miguel Grau Abas
Result: First Class Honours "Cum Laude"
- 23-10-92 *La gestión financiera en la incertidumbre. Del expertizaje singular a los R+ expertones* [Financial Management in Uncertainty. From Singular Expertise to R+ Expertons]
Mrs. Ana M^a Gil Lafuente
Result: First Class Honours "Cum Laude"

- 12-01-93 *Las agencias de "Rating": Análisis funcional y aplicación al mercado financiero español* [Rating Agencies: Functional Analysis and Application to the Spanish Financial Market]
Ms. Ana M. Olivera Casaucau.
Result: First Class Honours "Cum Laude"
- 25-05-93 *La gestión comercial: toma de decisiones en un entorno de incertidumbre* [Commerical Management: Thing Decisions in a Sphere of Uncertainty]
Mr. Jordi Bachs Ferrer
Result: First Class Honours "Cum Laude"
- 21-09-94 *Determinación de la incertidumbre inherente a las operaciones comerciales con Latinoamérica en base a la teoría de los subconjuntos borrosos* [Determination of the Inherent Uncertainty in Comercial Operations with Latinoamerica Based on the Theory of Fuzzy Sub-sets]
Mr. Ricardo Onses
Result: First Class Honours "Cum Laude"
- 15-02-95 *Instrumentos para el Análisis de Operaciones Financieras con datos inciertos* [Instruments for Financial Operations Analysis with Uncertain Data]
Mr. Antonio Terceño Gómez
Result: First Class Honours "Cum Laude"
- 18-12-95 *Tomas de Decisión Comerciales y Sistemas de Información* [Talking Comercial Decisions and Information Systems]
Mr. José M^a Ferré Trenzano
Result: First Class Honours "Cum Laude"
- 22-10-96 *Marketing numérico y no numérico en la incertidumbre* [Numerical and non-Numerical Marketing in Uncertainty]
Mr. Jaime Gil Lafuente
Result: First Class Honours "Cum Laude"
- 10-11-97 *Las expectativas de los empresarios agrícolas sobre el precio de las materias primas como base de un modelo de optimización mediante la técnica de los Fuzzy Sets en la programación* [Expectations of Agricultural Businessmen on the Price of Raw Materials based on a Model for Optimisation by means of Fuzzy Sets in Programming]
Mr. Vicente Sanjosé Mitjans
Result: First Class Honours "Cum Laude"

- 03-12-97 *Fondos de inversión: análisis metodológico, comparativo y propuestas de desarrollo* [Investment Funds: Methodological and Comparative Analysis and Proposals or Development]
Mr. Roberto de la Fuente Cid
Result: First Class Honours “Cum Laude”
- 22-12-97 *Medición de riesgos y asignación de capital en las entidades financieras* [Measuring Risks and Assigning Capital in Financial Entities]
Ms. Natividad Capella Pifarré
Result: First Class Honours “Cum Laude”
- 20-10-98 *La sociedad capital riesgo como medio de financiación de la nueva empresa* [Risk Capital Company by means of Financing a New Business]
Ms. Ana M. Lauroba Pérez
Result: First Class Honours “Cum Laude”
- 21-12-98 *Gestión de Calidad Total en el Comercio Detallista* [Total Quality Management in the Retail Business]
Mr. Joaquín Deulofeu Aymar
Result: First Class Honours “Cum Laude”
- 25-02-00 *Adaptación de las agencias de viajes a un entorno digital mediante la implementación de la teoría de las afinidades* [Adapting of Travel Agencies to Digital Surroundings by means of Implementing the Theory of Affinities]
Mr. Jordi Oller Nogués
Result: First Class Honours “Cum Laude”
- 4-05-01 *Nuevas estrategias para le empresa petrolera venezolana* [New Strategies for the Venezuelan Petroleum Business]
Mr. Jaime Tinto Arandes
Result: First Class Honours “Cum Laude”
- 22-01-02 *Las ampliaciones de capital en la bolsa española: la valoración del derecho de suscripción preferente* [Increases in Capital in the Spanish Stock Market: Valuation of the Preferential Subscription Right]
Mr. Alberto Moro Suárez
Result: First Class Honours “Cum Laude”

21-07-04 *Las lógicas multivalentes en la gestión de empresas con productos de alto riesgo*
[Multivalent Logic in the Management of Companies with Risk Products]
Ms. M^a Carmen Sanahuja Pi
Result: First Class Honours “Cum Laude”



PROFESSIONAL ACTIVITIES

- From June 1, 1960 appointed Chief Executive of Sociedad Española de Automoviles de Turismo (SEAT), to October 30, 1968, when he occupied the office of Technical –Economic Adviser. He continued until April 30, 1985 then he resigned due to the Law of Incompatibility.
- From January 1, 1969 to April 1985 he practiced freely as an economist, advising several companies.
- Managing Director of “Compañía de Desarrollo y Financiación SA” (CODEFINSA), from its foundation since January 1973.
- Managing Director of “Sociedad General Eurofinanza, S.A.” from its foundation on February 1, 1972, until December 31, 1983.
- Managing Director of “Fondo Internacional de Pintura SA”, since its foundation on March 28, 1973 until September 5, 1994.
- Director of the Studies Office of the Association of Developers and Constructors since November 1, 1978 until April 30, 1985.
- Chairman of the Executive Committee of the “Bienal Internacional Esportistes en l’ Art” since its creation in 1986.
- Chairman of the Statutory Economic Commission of the Barcelona Football Club since 1988 until 20 February 2002.
- Member of the Advisory Committee on Culture for the Barcelona Football Club since its creation in October 20, 1994.
- Member of the General Council of “la Caixa” from April 23, 2009, until July 15, 2019.
- Chairman of the Control Committee of “la Caixa”, since May 11, 2009 until July 31, 2012.
- Member of the Board of Directors of SANEF (Société des Autoroutes du Nord-Est de la France S.A.) from 2010 until April 2013.
- Member of the Board of Directors of VidaCaixa Group S.A. since November 30, 2012. On July 15, 2013, he became a Member of the Board of VidaCaixa S.A. of Insurance and Reinsurance, a sole-shareholder company, concluding his duties with the “La Caixa” Group on July 15, 2019.

- Member of the Advisory Board of Abertis S.A. from April 26, 2013, until November 2016.

