Hélène FRANKOWSKA

DR1, Directeur de Recherche CNRS émérite

Nationality: French

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Wikipedia: https://fr.wikipedia.org/wiki/H%C3%A91%C3%A8ne_Frankowska **Google Scholar:** <a href="https://scholar.google.com/citations?user=b6kF-XAAAAA]&hl=frankowska

Graduate Education:

1982 - 1983 University of Paris-Dauphine

1980 - 1981 International School for Advanced Studies, SISSA/ISAS, Trieste, Italy

Undergraduate Education:

1974 - 1979 University of Warsaw, Dept. of Mathematics, Informatics and Mechanics **Diplomas:**

1984 Doctorat ès sciences of Mathematics (habilitation), University of Paris-Dauphine **Jury**: President Laurent Schwartz, Members: J.-P. Aubin, I. Ekeland, P.-L. Lions, C. Olech, R. T. Rockafellar, M. Waldschmidt.

1983 Doctorat de 3^{ième} cycle, University of Paris-Dauphine 1979 Magister of Mathematics, University of Warsaw

Honors:

- Invited speaker, International Congress of Mathematicians 2010, Hyderabad India.
- Dedicated International Workshop "Analysis and Geometry in Control Theory and its Applications", Rome, June 9-13, 2014
- Plenary Speaker, 2017 Annual Conference of the Australian Mathematical Society, Sydney, Australia
- Plenary Speaker, Congress for 100 years of Polish Mathematical Society, Krakow, Poland, 2019
- Plenary Speaker, SIAM Conference on Control and its Applications, USA, 2023
- 2024 SIAM Fellow

Academic positions held:

2021 July - Directeur de Recherche CNRS, émérite, Sorbonne Université 2008- 2021 Directeur de Recherche CNRS, Sorbonne Université (ex-UPMC, Paris 6)

1985-2008 Chargée de Recherche at CNRS:

U. Paris-Dauphine 1985-1999, Ecole Polytechnique 2000-2008

1982-1984 Assistant Professor, University of Paris-Dauphine

1979-1983 Assistant at Institute of Mathematics Polish Academy of Sciences

Editorial Activities:

Book Series:

Board member of the Academic Press Mathematics in Science and Engineering Book Series, since 2015

Iournals:

Editor-in-Chief, J. of Mathematical Analysis and Applications (JMAA), since 2020 Corresponding Editor, SIAM J. on Control and Optimization (SICON), since 2006 Section Editor (Education), SIAM Review (SIREV), since 2023 Member of the Editorial Board, EURO Journal on Computational Optimization, since 2021 Associate Editor, Mathematical Control and Related Fields (MCRF), since 2017 Associate Editor, Journal of Optimization Theory and Applications (JOTA), since 2016 Associate Editor, Bollettino dell'Unione Matematica Italiana, since 2014 Associate Editor, J. of Convex Analysis, since 1995

Co-Editor of Special Issues:

- -- "International Seminar on Optimization and Related Areas" (with J. E. Martínez Legaz and E. Ocaña Anaya), Optimization 69, Taylor & Francis, 2020
- -- "Convex Analysis and Optimization: New Trends in Theory and Applications" (with A. Barbagallo and G. Moscariello), Journal of Mathematical Analysis and Applications, 2018
- -- "Mathematics of Traffic Flow Modeling, Estimation and Control" (with A. Bayen, J.-P. Lebacque, B. Piccoli, and H. M. Zhang), Networks and Heterogeneous Media, 8, 2013.

Past Editorial Activities:

Associate Editor, SIAM Review (SIREV), 2017-2022

Division Editor, J. of Mathematical Analysis and Applications (JMAA), 2006-2020

Associate Editor, Journal of Fixed Point Theory and Applications (FPTA), 2003-2009

Associate Editor, Set-Valued Analysis (SVA), 1993-2008

Associate Editor, SIAM J. on Control and Optimization, 2000-2005

Associate Editor, J. of Mathematical Analysis and Applications, 1993-2006

Associate Editor, Dynamics and Control, 1994-2002

Communicating Editor, J. of Mathematical Systems, Estimation and Control, 1990-1998

Direction of Research projects:

- -- "From vector spaces to hyperspaces, hypermaps and relations: Evolution of sets in metric spaces", PI, Air Force Office of Scientific Research FA9550-18-1-0254, USA, 2018-2022
- -- "Stochastic optimal control: analytic and geometric aspects", PRC, CNRS-NSFC, 2017-2019 (with Xu Zhang)
- -- "Sensitivity Analysis in Optimal Control", Bando Doppie Cattedre, U. Roma Tor Vergata, 2015-2016 (with P. Cannarsa)

- Scientific leader of DeMAGMA (Décisions multi-acteurs autour de la gestion de populations : Apport de la modélisation mathématique), in the framework of Interdisciplinary Research Program «Convergences@Sorbonne Universités", 2014-2015
- Scientific leader at UPMC of SADCO "Sensitivity Analysis for Deterministic Controller Design", Marie Curie Initial Training Network, (Research Training Program of the European Union), 2011 – 2014
- -- Scientific leader at CREA, Ecole Polytechnique of "Evolution Equations for Deterministic and Stochastic Systems", Research Training Networks Program of the European Union, 2002 2006
- Scientific leader of the project "Modélisation de l'apprentissage de séquences dans les ganglions de la base par les outils de l'intelligence artificielle et ``satisficing learning", in the framework of Interdisciplinary Research program of CNRS ``Traitement des connaissances, apprentissage et NTIC", 2003 – 2005
- -- PI of CALVACOS "Calculus of Variations and Control of Constrained Uncertain Systems", Human Capital and Mobility Program of the European Union, 1994-1998
- -- Robust Control of Non linear Systems, PICS CNRS and University of Washington, 1994 1998

Co-organizer of Conferences, Workshops and of Invited Sessions/Minisymposia at Major International Conferences:

- -- International Workshop "Advances in Nonlinear Analysis and Optimization", International School of Mathematics G. Stampacchia, Erice, Italy, May 23 29, 2024
- -- International Conference "Variational Analysis, Models and Methods in Measure Spaces", CIRM, Luminy, April 29 May 3, 2024
- -- Invited Session "Optimal Control and Calculus of Variations on Metric Spaces", 15th Viennese Conference on Optimal Control and Dynamic Games, July 12-15, 2022
- -- Invited Session "Optimality conditions for Control Problems", 58nd IEEE Conference on Decision and Control, Nice, France, December 11-13, 2019
- -- Invited Minisymposium "Recent Progress in Stochastic Optimal Control", SIAM Control Conference, Chengdu, China, June 19-21, 2019
- -- International Workshop "Nonsmooth and Variational Analysis", ESI Vienna, Austria, January 28 February 1, 2019
- -- Invited Session "New trends in theory of Stochastic Control", 14th Viennese Conference on Optimal Control and Dynamic Games, Vienne, Austria, July 3-6, 2018
- -- Workshop Franco-Chinois "Deterministic and Stochastic Control: Stabilization and Optimality", UPMC, July 25, 2017
- -- Invited Session "New Trends in Optimal Control", SIAM Conference on Control and Its Applications (CT17), Pittsburgh, July 10-14, 2017
- -- International workshop "Advances in Convex Analysis and Optimization", International School of Mathematics G. Stampacchia, Erice, Italy, July 5-12, 2016
- -- International Workshop "Decision Models and Population Management", UPMC, Paris February 2-4, 2016
- -- Invited Session "Sensitivity Relations and Optimality Conditions in Optimal Control", SIAM Conference on Control and Its Applications (CT15), Paris, July 8-10, 2015

- -- Invited Session "Variational Approaches in Optimal Control", 52nd IEEE Conference on Decision and Control, Florence, Italy, December 10-13, 2013
- -- Minisymposia «Optimal Control and Games", FGP13, 16th French-German-Polish Conference on Optimization, Krakow, Poland, September 23-27, 2013
- -- International Workshop "Around Viability Boundaries", UPMC, Paris, December 12-14, 2012
- -- International Workshop "Metric Regularity Days", UPMC, Paris, October 25-26, 2011
- -- Invited Session `Control of Systems under State Constraints", 18th IFAC World Congress, Milano, Italy, August 28 September 02, 2011
- -- Invited Session `` Developments in Optimal Control: Theory and Applications" Parts 1 and 2, 49th CDC IEEE Conference on Decision and Control, Atlanta, December 15-17, 2010
- -- Invited Session `Optimal control under state constraints", 6th International Congress on Industrial and Applied Mathematics, Zurich, July 16-20, 2007
- -- Invited Session `` New Developments and Applications in Optimal Control Theory", 44th CDC IEEE Conference on Decision and Control, Sevilla, Spain, December 12-15, 2005
- -- International Conference on Nonlinear Robust and Optimal Control, Wurzburg, March 30 April 3, 1998
- -- Invited Session `` Hamilton-Jacobi equation in optimal control", MTNS-98, Padova, June 1998
- -- Workshop "Differential Inclusions and Optimal Control", Banach Center, Warsaw, October, 1997
- -- International Conference on Viability and Control II, Trento, Italy, June 1997
- -- Invited Session `` Necessary conditions in optimal control", Conference on the Industrial and Applied Mathematics (ICIAM), Hamburg, July 3-8, 1995
- -- Invited Session `` Nonsmooth analysis and optimal control", Third SIAM Conference on Control Theory, Saint Louis, April 27-29, 1995
- -- International Conference on Viability and Control, L'Abbaye Royale de Fontevraud, June 27 July 1, 1994
- -- Workshop "Differential Inclusions", Banach Center, Warsaw, May 1993
- -- Invited Session ``Applications of Viability Theory to Problems of Control", NOLCOS, IFAC, Bordeaux, June 1992
- -- International Conference on Regulation of Nonlinear Systems with State Constraints, Les Houches, March 9-12, 1992.
- Invited Session `` Nonsmooth Analysis and Optimal Control of Distributed Parameter Systems under State Constraints", 30th IEEE Conference on Decision and Control, Brighton, GB, December 1991
- -- Invited Session `` Nonsmooth Analysis Approach to Control Problems", Control Theory of 90-ies, San Francisco, USA, May 17-20, 1989
- -- Invited Session `Deterministic and Optimal Control» 25th IEEE Conference on Decision and Control, Athens, Greece, December 10-12, 1986

Post-doctorals:

- -- Benoit Bonnet 2019-2021 (Chargé de Recherche, CNRS)
- -- Zeinab Badreddine 2019-2021 (Formapriv, Classes préparatoires aux métiers de la Santé, Paris)
- -- Thomas Lorenz 2019-2020 (Professor W2, Hochschule RheinMain)

- -- Haisen Zhang 2016-2017 (Assistant Professor, School of Mathematical Sciences, Sichuan Normal University, Chengdu, China)
- -- Ihab Haidar 2014-2015 (Maître de Conférences, ENSEA, Cergy)
- -- Daniela Tonon 2012-2013 (Maître de Conférences, University Paris-Dauphine 2013-2020; Associate Professor at University of Padova, Italy since 2021)
- -- Marco Mazzola 2011-2012 (Maître de Conférences, University Pierre et Marie Curie)
- -- Elsa Maria Marchini 2005-2006 (Associate Professor, Polytechnico di Milano, Italy)
- -- Piernicola Bettiol 2005-2006 (Professor, University of Brest, France)
- -- Aurelian Cernea 2003-2004 (Professor, University of Bucharest, Romania)
- -- Anna Ochal 2003 (Associate Professor-Adjunct, Jagiellonian University, Poland)
- -- Slawomir Plaskacz 1991-1992 (Professor, University of Torun, Poland)

PhD students:

- -- Vincenzo Basco (joint supervision with P. Cannarsa, U. Roma Tor Vergata) 2015 2019, (post-doctoral at U. Melbourne, Australia, 2019-2020; presently with Thales Alenia Space, Roma, Italy)
- -- Teresa Scarinci (joint supervision with P. Cannarsa, U. Roma Tor Vergata) 2012 2015, Eccellente cum Laude, (post-doctoral at TU Wien and U. Wien 2014-2020; presently Assistant Professor at University of Aquila, Italy)
- -- Hayk Sedrakyan (joint supervision with M. Quincampoix) 2011-2014 (professional math olympiad coach in the greater Boston area, USA)
- -- Daniel Hoehener 2010 2013, thesis prize of Program for Optimization and Operations Research, (2014-2016 post-doctoral at MIT, Cambridge, USA; presently with the Capital Fund Management, Paris)
- -- Kyung-Eung Kim 1993 -1997 (Adjunct Professor, Seoul National University of Technology, Korea)
- -- Nathalie Caroff, with the jury's congratulations, 1991 1994 (Associate Professor, U. Perpignan, France)

Member of Evaluation Committees (recent only):

- -- Member Evaluation Committee, HCERES, for IMAG Montpellier, February 2020
- -- Commission PIU (prime d'investissement unique), Sorbonne Université, 2019 and 2020
- -- Member of the panel of Priority Program "Non-smooth and Complementarity-Based Distributed Parameter Systems: Simulation and Hierarchical Optimization" DFG, March 7-8, 2019
- -- Tytuł naukowy profesora, U. Zielona Gora, Poland, 2019
- -- Tytuł naukowy profesora, Politechnika Warszawska, Poland 2019
- Member of the panel of Priority Program "Non-smooth and Complementarity-Based Distributed Parameter Systems: Simulation and Hierarchical Optimization" DFG, February 24-25, 2019
- -- Commission PIR (Primes d'investissement en Recherche), UPMC, 2016, 2017, 2018
- -- Reviewer for VQR 2011-2014: evaluation of the Italian research system for the period 2011-2014, acted as reviewer in summer 2016

- Member of the panel of Priority Program "Non-smooth and Complementarity-Based Distributed Parameter Systems: Simulation and Hierarchical Optimization" DFG, February 2016
- -- Thesis Committee, Doctoral school of Mathematical Sciences of Central Paris, 2011 2021

Member of Prize Committees:

- -- 2023 SIAG/CST Best SICON Paper Prize, Chair of the prize committee
- -- 2021-2022 IEEE Control Systems Award Committee
- -- Jean-Jacques Moreau prize in Optimization, SMF/SMAI and Académie des Sciences,
 Chair of the prize committee, 2019
- -- SICON/CST Best Paper Award, 2017
- -- Wong prize for the best paper published by the JMAA, biannual 2015 -2019
- -- Aimes prize for the best paper published by JMAA, every year 2011-2019 Chair of prize committee in 2015.

Member of Conferences' Scientific Committees (since 2015):

- -- 16-th Viennese Conference on Optimal Control and Dynamic Games" (16-th edition
- -- 16-th Workshop on Well-Posedness of Optimization Problems and Related Topics, Borovets, Bulgaria, July 3 7, 2023
- -- 15-th "Viennese Conference on Optimal Control and Dynamic Games", Wien, July 12-15, 2022
- -- 15-th International Workshop on Well-Posedness of Optimization Problems and Related Topics, , Borovets, Bulgaria June 28 July 2, 2021
- -- Sixth International Conference on Continuous Optimization, Berlin, August 2019
- -- Journées SMAI-MODE 2018, Grenoble, Mars 2018
- -- XIII ISORA International Seminar on Optimization and Related Areas, October 9-13, 2017, Lima, Peru
- Congrès SMAI 2017, 8e Biennale Française des Mathématiques Appliquées et Industrielles, Ronce-les-Bains, June 5-9, 2017
- Symposium on Optimal Control and Related Topics. Czesław Olech in memoriam, Warsaw, Poland, October 20-21, 2016
- -- 10th IFAC Symposium on Nonlinear Control Systems, Monterey, CA, USA, August 23-25, 2016
- -- Nonlinear Partial Differential Equations and Applications, in honor of J.-M. Coron, IHP, Paris, June 20-24, 2016
- -- SIAM Conference on Control and Its Applications (CT15), Paris, July 8-10, 2015

Member of Recruiting Committees:

- -- External referee for the search committee for the position of a full professor of Optimization, University of Vienna, 2022
- -- KTH Assistant professor in mathematics mathematical foundations of artificial intelligence,

2022

- -- INRIA, Research Scientist, Paris, 2021
- -- Université de Bretagne Occidentale, Associate Professor, 2021
- -- Sorbonne Université, Paris, Associate Professor, 2021
- -- Sorbonne Université, Paris, ATER 2016, 2017, 2018, 2019, 2020
- -- TU of Wien (Austria), Professor of Operation Research, 2020
- -- University Vincennes at Saint-Denis (Paris 8), Full Professor, 2018
- -- KTH Promotion to Associate Professor, 2017
- -- UPMC, Paris, Full Professor, 2017
- -- Supelec, Paris, Full Professor, 2016
- -- UPMC, Paris, Full Professor, 2016
- -- Marburg University, Germany, Professor W2, 2015 (reviewer of selected candidates)
- -- University of Montpellier, Associate Professor, 2015
- -- University of Bayreuth, Germany, Professor W3, 2013 (reviewer of selected candidates)
- Groupe d'experts 26ème at Department of Mathematics, University Pierre et Marie Curie, 2009 - 2010
- -- Royal Institute of Technology (KTH), senior lecturer position, in 2000, 2002, 2009 and 2012
- -- Member of recruiting committee of Research Fellows CR at INRIA Saclay, 2008
- -- Swedish Natural Science Research Council (NFR), senior research position, 1996
- -- University of Paris-Dauphine, commission des spécialistes, 1994-2002

Member of Administration Bodies (since 2012):

- -- Director of team « Combinatoire et Optimisation », IMJ-PRG, UPMC, 2017-2021
- -- Council of Department of Mathematics at UPMC, UFR 929, 2017-2021
- -- Scientific Council of Department of Mathematics at UPMC, UFR 929, 2013-2021
- -- Vice-Chair SIAM Activity Group on Control and Systems Theory 2018 2019
- -- Laboratory Council, Institut de Mathématique de Jussieu Paris Rive Gauche, UMR 7586, 2013 -2017
- -- Directors Board (Conseil d'Administration), UPMC, 2012-2016
- -- Budget Commission of UPMC, 2012-2016
- -- Council for Contractual Activities of UPMC, 2012-2016

Teaching Activities in France:

- 2009-2015 University Pierre et Marie Curie, Master of Sciences and Technologies, graduate course on Optimal control
- 1986-1999 University of Paris-Dauphine, Department of Mathematics of Decision, graduate courses on Optimal control; Convex and Set-valued analysis; Differential Games
- 1984-1985 University of Paris-Dauphine, Department of Mathematics of Decision, graduate course on Convex analysis and optimization
- 1984-1990 ENSAE, Ecole Nationale de la Statistique et de l'Administration Economique, TP of Convex analysis, first year students
- 1984-1985 University of Paris-Dauphine, TD of functional analysis, fourth year students
- 1982-1984 University of Paris-Dauphine, mathematics for 1-2 year students in Economy

International Post-Graduate Courses:

- -- Optimal control of PDEs a variational approach, dans le cadre du Programme "Modern Maximal Monotone Operator Theory: From Nonsmooth Optimization to Differential Inclusions", Erwin Schrödinger International Institute for Mathematics and Physics (ESI), Wien, Austria, February 4-8, 2019
- -- Optimal Control and Hamilton-Jacobi Equations, Spring School Control and Optimization, May 15-19, 2017, University of Monastir, Monastir, Tunisia
- -- Inverse mapping theorems and applications, U. Chiang-Mai, Thailand, October 8-13, 2007
- --Viability Theory, Spring School "Viability, Models, Algorithms and Applications to Finance and Economy", HEC, Montréal, April 16-20, 2007
- --Hamilton-Jacobi Equations, Marrakech, October 2002
- -- Control under state constraints, Summer School "Mathematical Control Theory", Banach Center, Warsaw, September 2002
- -- Hamilton-Jacobi Equations and Viability theory, U. of Cape Town, South Africa, December 2001
- --Value Function in Optimal Control, Summer School "Mathematical Control Theory", ICTP, Trieste, September 3-28, 2001
- -- Hamilton-Jacobi Equations in Control Theory, U. of South Australia, Adelaide, December 2000
- -- Hamilton-Jacobi Equations, U. Bei Da, Bejing, China, August 2000
- -- Set-Valued Analysis and Control Theory, Bangkok, March 21-25, 1994
- -- Differential Games, COMETT, INRIA, Sophia-Antipolis, September 27-October 1, 1993
- -- Explicit Methods in Optimal Control, COMETT, Roma, September 9-13, 1993
- -- Value Function in Optimal Control, `Summer School: Dynamical Systems and Nonlinear Analysis Interdisciplinary Aspects'', Cape Town, January 25 February 5, 1993
- --Regulation of Nonlinear Systems under State Constraints, COMETT, Les Houches, March 3-7, 1992
- --Differential Games, COMETT, INRIA Sophia-Antipolis, September 30 October 4, 1991
- --Control and Regulation of Nonlinear Systems, Banach Center, Warsaw, September 2-7, 1991

Invited Conferences' Talks:

- 1. International Conference on Multifunctions and Integrands, Catania, Italy, June 1983
- 2. 6th International Conference on Analysis and Optimization of Systems, Nice, June 1984
- 3. Fermat Days, Toulouse, May 1985
- 4. International Conference on Geometric and Algebraic Control Theory, Paris, June 3-7, 1985
- 5. MTNS-85 7th International Symposium on the Mathematical Theory of Networks and Systems, Stockholm, Sweden, June 10-14, 1985
- 6. International Conference on Linear and Nonlinear Functional Analysis, Santa Barbara, USA, June 24-26, 1985
- 7. 24th IEEE Conference on Decision and Control, Fort Lauderdale, USA, December 11-13, 1985, invited by SIAM

- 8. Workshop ``Optimisation Paramétrique et non-différentiable, CRM, University of Montréal, Canada, February 7-19, 1986
- 9. NSF/CBSM Regional Conference ``Dynamic Optimization a Unified Approach via Nonsmooth Analysis", Emory University, Atlanta, USA, May 19-23, 1986, Official observer CBSM
- 10. Workshop "Differential properties of real functions", CRM, University of Montreal, Canada, February 17-19, 1986
- 11. 25th IEEE Conference on Decision and Control, Athens, Greece, December 10-12, 1986
- 12. Congrès Franco-Quebecois "Applied Nonlinear Analysis", Perpignan, June 22-26, 1987
- 13. IFIP, Optimal Control of Systems Governed by Partial Differential Equation, Santiago di Compostella, Espagne, July 6-9, 1987
- 14. International Conference on Industrial and Applied Mathematics, Paris, June 29 July 3, 1987
- 15. 26th IEEE Conference on Decision and Control, Los Angeles, USA, December 9-11, 1987
- 16. Optimization of flexible structures, Montpellier, December 12-14, 1987
- 17. International workshop on Bellman continuum, Sofia-Antipolis, June 14-19, 1988
- 18. 8th International Conference on Analysis and Optimization of Systems, Nice, June 1988
- 19. 30 years of modern optimal control, Kingston, Rhode Island, USA, June 1-4, 1988
- 20. Set-valued calculus and applications, IIASA, Laxenburg, Austria, August 28 September 2, 1988
- 21. Analyse qualitative de la sensibilité en optimisation, Montreal, February 19-22, 1989
- 22. Stabilization of flexible structures, COMCON Workshop, Montpellier, January 23-26, 1989
- 23. Control Theory of 90-ies, San Francisco, USA, May 17-20, 1989
- 24. Nonlinear Synthesis, IIASA, Laxenburg, Austria, June 5-9, 1989
- 25. IFIP, Nonlinear systems design, Capri, Italy, June 1989
- 26. IFIP, Modeling and inverse problems of control for distributed parameter systems, IIASA, Laxenburg, Austria, July 1989
- 27. 9th International Conference on Analysis and Optimization of Systems, Antibes, June 1990
- 28. International Conference on Operations Research, Vienna, Austria, August 28-31, 1990
- 29. Control of Systems under Uncertainties, Sopron, Hungary, September 3-7, 1990
- 30. First SIAM Conference on Linear Algebra, Signals and Controls, San Francisco, USA, November 1990
- 31. 29th IEEE Conference on Decision and Control, Honolulu, USA, December 5-7, 1990
- 32. II International Conference on the Industrial and Applied Mathematics (ICIAM), Washington DC, July 8-13, 1991
- 33. Geometric Methods in Nonlinear Optimal Control, Sopron, Hungary, July 22-26, 1991
- 34. 30th IEEE Conference on Decision and Control, Brighton, GB, December 1991
- 35. Control of Systems under State Constraints, Les Houches, March 1992
- 36. Graphical and Epigraphical Convergence, Davis, USA, May 15-16, 1992
- 37. Geometric Nonlinear Control, St.Louis, May 25-30, 1992
- 38. NOLCOS, IFAC, Bordeaux, June 1992
- 39. First French-Romanian Conference on Optimization, Optimal Control and Partial

- Differential Equations, Iasi, Romania, September 7-11, 1992
- 40. First National Conference on Ordinary Differential Equations and Applications, Trieste, Italy, September 1992
- 41. Differential Inclusions, Banach Center, Warsaw, Poland, May 1993
- 42. Dynamics and Control, Vienna, Austria, July 1993
- 43. Modeling of Systems under Uncertainty, Sopron, July 1993
- 44. Control of Uncertain Systems, Sozopol, Bulgaria, September 1993
- 45. Numerical Analysis and Optimization, Rabat, Morocco, December 15-17, 1993
- 46. Third SIAM Conference on Control Theory, Saint Louis, April 27-29, 1995
- 47. III International Conference on the Industrial and Applied Mathematics (ICIAM), Hamburg, July 3-8, 1995
- 48. Set-Valued Analysis, Saint Petersburg, Russia, June 1995
- 49. MTNS-1996, Saint-Louis, USA, June 1996 (semi-plenary speaker)
- 50. French-German Conference on Optimization, Trier, Germany, July 1996
- 51. Applied Nonlinear Analysis, Samos, July 1996
- 52. IFIP-97, Detroit, USA, July 1997
- 53. Differential Inclusions and Optimal Control, Banach Center, Warsaw, October, 1997
- 54. MTNS-98, Padova, June 1998
- 55. Mathematical Control Theory, Trento, June 1998
- 56. Calculus of variations and related topics, Haifa, Israel, March1998
- 57. Variational Analysis, Workshop, U. California, Davis, February 1998 and 1999
- 58. International Workshop on Differential Games, Ischia, July 1999
- 59. CDC2000, IEEE Conference on Decision and Control, Sydney, Australia, December 11-15, 2000
- 60. Hamilton-Jacobi Equations, INRIA, October 2000
- 61. National Conference on Games, Ischia, July 2001
- 62. Deterministic and Stochastic Equations, Roscoff, May 2001
- 63. ICCTA01, Pretoria, South Africa, December 12-14, 2001
- 64. CIMASI02, Casablanca, Morocco, October 23-26, 2002
- 65. CDC, IEEE Conference on Decision and Control, Las Vegas, USA, December 10-13, 2002
- 66. Evolution Equations, Roscoff, May 2003
- 67. Colloque de la Société des neurosciences, SN03, May 2003
- 68. International Workshop on Stochastic and Hybrid Systems and Applications to Risk Management in Air Traffic, Cambridge, September 5, 2003
- 69. 21st IFIP, International Conference on System Modeling and Optimization, Sophia-Antipolis, July 21-25, 2003
- 70. Evolution Equations, Delft, 2-5 June, 2004
- 71. International Conference on Set-Valued Analysis, Control, Viability and Applications Roskoff, June 21-25, 2004
- 72. International Conference on Optimal Control and Related Topics, Banach Center, Warsaw, August 30 September 3, 2004
- 73. CDC 2004, IEEE Conference on Decision and Control, Atlantis, Bahamas, December 8-11, 2004

- 74. Evolution Equations, Pisa, Italy, May 23-26, 2005
- 75. 22nd IFIP TC7 Conference on System Modeling and Optimization, Turin, Italy, July 18-22, 2005
- 76. 10th Workshop on Well-posedness of Optimization Problems and Related topics, Rila, Bulgaria, September 5-9, 2005
- 77. 10th CMS05 Computer Methods and Systems, Krakow, Poland, November 14-16, 2005
- 78. CDC 2005, IEEE Conference on Decision and Control, Sevilla, Spain, December 12-15, 2005
- 79. International Conference on Mathematics of Optimization and Decision, Pointe-à-Pitre, April 18 21, 2006
- 80. Evolution Equations, Vienna, Austria, June 6-9, 2006
- 81. Geometric Control and Nonsmooth Analysis, Rome, June 5-8, 2006
- 82. Views on ODEs, Aveiro, Portugal, June 21-2004, 2006
- 83. International EURO 2006 Conference, Reykjavik, Island, July 3 5, 2006
- 84. Metacognition and mental state monitoring, Château de Maffliers, December 7-9, 2006.
- 85. Control, Optimization and Stability of Non Linear Systems: geometric and analytic methods, SISSA, Trieste, May 30 June 1, 2007
- 86. International Conference on Topological Methods, Differential Equations, and Dynamical Systems, Firenze, June 13-16, 2007
- 87. 6th International Congress on Industrial and Applied Mathematics, Zurich, July 16-20, 2007
- 88. Workshop Fixed Point Theory through Global Analysis Methods, Brest, May 14-16, 2008
- 89. 50 Years of Optimal Control, Banach Center, Bedlewo, Poland, September 15-20, 2008
- 90. Fourth German Polish Conference on Optimization, Moritzburg, Germany, March 14 -- 18, 2009
- 91. Nonsmooth Analysis, Control Theory and Differential Equations, INDAM, Roma, Italy, June 8-12, 2009
- 92. 14th Belgian-French-German Conference on Optimization Leuven, Belgium, September 14-18, 2009
- 93. 8th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Dresden, Germany, May 25 28, 2010
- 94. International Congress of Mathematicians 2010, section 17: control theory & optimization Hyderabad, India.
- 95. Invited Session `` Developments in Optimal Control: Theory and Applications" Part 1, 49th CDC IEEE Conference on Decision and Control, Atlanta, December 15-17, 2010 SADCO Kick Off Meeting, Paris, March 3-4, 2011
- 96. Workshop Stabilization of Dynamical Systems and Processes, ICMS, Edinburgh, June 13 17, 2011
- 97. Workshop on Well-posed Optimization Problems and Related Topics, Borovets, Bulgaria, September 12 16, 2011
- 98. Franco-Thai Symposium, Bangkok, February 1-3, 2012
- 99. 12th "Viennese Workshop on Optimal Control, Dynamic Games and Nonlinear Dynamics, Vienna, May 30 June 02, 2012 (plenary speaker)
- 100. KAUST Workshop on PDE in Traffic Modeling, June 2 3, 2012
- 101. CNRS Thematic School "Control of PDEs, Interactions and Applications", CIRM, Luminy,

- November 5-9, 2012
- 102. Workshop on optimal control and model predictive control, Bayreuth, Germany, September 9-13, 2013
- 103. FGP13, 16th French-German-Polish Conference on Optimization, Krakow, Poland, September 23-27, 2013
- 104. 52nd IEEE Conference on Decision and Control, Florence, Italy, December 10-13, 2013
- 105. 2nd International Conference on Variational Analysis and Optimization, Santiago de Chile, January 7-10, 2014
- 106. International Workshop Analysis and Geometry in Control Theory and its Applications, Rome, June 9-13, 2014
- 107. The 10th AIMS Conference on Dynamical Systems, Differential Equations and applications Madrid, Spain, July 07 July 11, 2014
- 108. 6th International Conference on Complementarity Problems (ICCP) 2014, Humboldt-University, Berlin, August 4-8, 2014
- 109. New Horizons in Optimal Control (NHOC2014), 8-10 September 2014, Cascais, Portugal.
- 110. 53rd IEEE Conference on Decision and Control, Los Angeles, USA, December 15-17, 2014
- 111. International Workshop on Optimal Control, Politecnico di Milano, April 13-14, 2015
- 112. 13th Viennese Workshop on Optimal Control and Dynamic Games, Wien, Austria, May 13 16, 2015
- 113. International Conference Variational Analysis and Optimization, University of Limoges May 18-22, 2015 International Workshop Variational Analysis and Applications, "Ettore Majorana Foundation and Center for Scientific Culture", Erice, August 28 September 5, 2015
- 114. VII Symposium on Nonlinear Analysis, Torun, Poland, September 14-18, 2015 (plenary speaker)
- 115. XII ISORA International Seminar on Optimization and Related Areas, October 5-9, 2015, Lima, Peru (plenary speaker)
- 116. Workshop on Optimization for Image and Signal Processing, December 7-9, 2015, IHP, Paris (plenary speaker)
- 117. 54th IEEE Conference on Decision and Control, Osaka, Japan, December 15-18, 2015
- 118. 10th IFAC Symposium on Nonlinear Control Systems, Monterey, CA, USA, August 23-25, 2016
- 119. The first Joint Meeting Brazil Italy in Mathematics, IMPA, Rio de Janeiro, Bresil, August 29-September 2, 2016
- 120. Symposium on Optimal Control and Related Topics. Czesław Olech in memoriam, Warsaw, Poland, October 20-21, 2016
- 121. International Workshop on New trends in Optimization and Variational Analysis for Applications, Quy Nhon, Vietnam, December 7-10, 2016 (plenary speaker)
- 123. Mathematical Economics 2017 at Keio, Tokyo, Japan, March 17-18, 2017
- 124. American Control Conference 2017, Seattle, USA, May 24-26, 2017
- 125. International Workshop on Mathematical Control Theory, Porquerolles, June 27-30, 2017
- 126. International Conference New Trends in Control Theory and PDEs, INDAM, Roma, Italy, July 3-7, 2017

- 127. SIAM Conference on Control and Its Applications (CT17), Pittsburgh, USA, July 10-14, 2017
- 128. GPCO 2017- 7th German-Polish Conference on Optimization, Banach Center, Polish Academy of Sciences, Będlewo, Poland, August 27 September 1, 2017
- 129. Stochastic control, BSDEs and new developments, Roscoff (France), September 11-15, 2017
- 130. XIII ISORA International Seminar on Optimization and Related Areas, Lima, Peru, October 9-13, 2017
- 131. South Pacific Optimization Meeting in Western Australia (SPOM in WA), Perth, Australia, December 8-9, 2017 (plenary speaker)
- 132. 2017 Annual Conference of the Australian Mathematical Society, Sydney, Australia, December 12-15, 2017 (plenary speaker)
- 133. 7th International Conference on High Performance Scientific Computing, Hanoi, Vietnam, March 19-23, 2018
- 134. Workshop Challenges in Optimal Control of Nonlinear PDE-Systems, Oberwolfach, Germany, April 8-14, 2018
- 135. Special Workshop on Nonlinear Analysis, Schauder Medal Awarding Ceremony, Schauder Center for Nonlinear Studies, Torun, Poland, May 21-23, 2018 (plenary speaker)
- 136. 14th Viennese Conference on Optimal Control and Dynamic Games, Wien, Austria, July 3-6, 2018
- 137. International Workshop Variational Analysis and Applications, "Ettore Majorana Foundation and Center for Scientific Culture", Erice, Italy, August 28 September 5, 2018
- 138. International Conference Dynamics, Control and Geometry, Banach Center, Warsaw, Poland, September 12-15, 2018
- 139. International Workshop Analysis, Control and Inverse Problems for PDEs, LIA COPDESC, U. di Napoli Federico II, Italy, November 26-30, 2018 (plenary speaker)
- 140. International Workshop Nonsmooth and Variational Analysis, ESI Wien, Austria, January 28 February 1, 2019
- 141. SIAM Control Conference, Chengdu, June 19-21, 2019
- 142. Singular nonlinear problems in Calculus of Variations and PDE's, University of Naples "Federico II", Italy, June 24-26, 2019
- 143. ICIAM, International Congress on Industrial and Applied Mathematics, Valencia, Spain, July 15-19, 2019
- 144. Congress for 100 years of Polish Mathematical Society, Krakow, Poland, September 3-7, 2019 (plenary speaker)
- 145. The French-German optimization conference, FGX'2019, Nice, France, September 17-20, 2019, (plenary speaker)
- 146. International Workshop on Optimal Control and Mean Field Games, Rio de Janeiro, Brazil, October 14-18, 2019
- 147. 58nd IEEE Conference on Decision and Control, Nice, France, December 11-13, 2019
- 148. Calculus of Variations and Applications, SISSA, Trieste, Italy, January 27 February 1st, 2020
- 149. High Dimensional Hamilton-Jacobi Methods in Control and Differential Games, IPAM, Los

- 150. 2020 European Control Conference, Saint Petersburg, Russia, May 12-15, 2020 (visio because of the covid)
- 151. Challenges in Optimization with Complex PDE-Systems, Oberwolfach, Allemagne, February 14 20, 2021 (visio because of the covid)
- 152. 15-th International Workshop on Well-Posedness of Optimization Problems and Related Topics, Borovets, Bulgaria, June 28 July 2, 2021
- 153. Analysis, Control, and Numerics for PDE Models of Interest to Physical and Life Sciences, Levico Terme, September 20 24, 2021
- 154. PGMO days 2021, EDF Lab Paris Saclay, November 30 December 1, 2021
- 155. 60th IEEE Conference on Decision and Control, Austin, Texas, USA, December 12-15, 2021
- 156. 20th French-German-Portuguese Conference on Optimization, Porto, Portugal, May 3-6, 2022
- 157. Theoretical and Numerical Trends in Inverse Problems and Control for PDEs, and Hamilton-Jacobi Equation: a French-Italian-Japanese Conference", CIRM Luminy, June 13-17, 2022
- 158. International Workshop on Control and Optimization, Imperial College, London, England, July 5-6, 2022.
- 159. 15th Viennese Conference on Optimal Control and Dynamic Games, Wien, Austria, July 12-15, 2022
- 160. Deterministic and Stochastic Control, Politecnico di Milano, Italy, September 6-7, 2022
- 161. International workshop on Analysis and Control of (bi)linear PDEs, U. Roma Tor Vergata, Roma, Italy, September 7-9, 2022
- 162. 25th International Symposium on Mathematical Theory of Networks and Systems (MTNS), Bayreuth, Germany, September 12-16, 2022
- 163. 61st IEEE Conference on Decision and Control, Cancun, Mexico, December 6-9, 2022
- 164. Workshop on Optimal Transport, Mean-Field Models, and Machine Learning, TUM-IAS Munich, Germany, April 24-28, 2023
- 165. International Conference on Elliptic and Parabolic Problems, Accademia Pontaniana, Napoli, May 22-24, 2023
- 166. 16-th Workshop on Well-Posedness of Optimization Problems and Related Topics, Borovets, Bulgaria, July 3-7, 2023
- 167. SIAM Conference on Control and its Applications, Pennsylvania, USA, July 24-26, 2023
- 168. 5th International Seminar on Optimization and Related Areas ISORA, Arequipa, Peru, October 2-6, 2023
- 169. New Trends and Challenges in Optimization Theory Applied to Space Engineering, the Gran Sasso Science Institute in L'Aquila, Italy, December 13-15, 2023
- 170. International Workshop on Modeling, analysis, and control of multi-agent systems across scales, Centro De Giorgi in Pisa, Italy, January 22-26, 2024
- 171. International Workshop "Advances in Nonlinear Analysis and Optimization", International School of Mathematics G. Stampacchia, Erice, Italy, May 23 – 29, 2024
- 172. VIII Symposium on Nonlinear Analysis (invited speaker), Torun, Poland, June 17-21, 2024

- 173. International Workshop Variational Analysis and Applications, "Ettore Majorana Foundation and Center for Scientific Culture", Erice, Italy, September 2-6, 2024
- 174. International conference "Control of state constrained dynamical systems 3", Padova, Italy, September 24-27, 2024
- 175. International Workshop dedicated to the 90th Birthday of Terry Rockafellar, Hong Kong, December 2-4, 2024.
- 176. Deterministic and Stochastic Evolution Equations, Scuola Normale Superiore di Pisa, January 13 17, 2025.
- 177. International Workshop dedicated to the 85th Anniversary of Professor Alain Bensoussan, Shandong University, China, May 11-13, 2025
- 178. International Workshop Recent Advances in Nonlinear Differential Problems and Applications (Keynote speaker), Perugia, June 4-6, 2025.