

**Hélène FRANKOWSKA**  
**DR1, Directeur de Recherche CNRS émérite**

**Nationality:** French

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**WEB Page :** <http://webusers.imj-prg.fr/~helene.frankowska/>

**Wikipedia:** [https://fr.wikipedia.org/wiki/H%C3%A9l%C3%A8ne\\_Frankowska](https://fr.wikipedia.org/wiki/H%C3%A9l%C3%A8ne_Frankowska)

**Google Scholar:** <https://scholar.google.com/citations?user=b6kF-XAAAAAI&hl=fr>

**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<sup>ème</sup> 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

**Journals:**

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 ", 58<sup>nd</sup> 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", 52<sup>nd</sup> 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, 49<sup>th</sup> 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 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, Ronces-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, Beijing, 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-Quebécois "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, March 1998
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, 49<sup>th</sup> 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. 12<sup>th</sup> "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. 52<sup>nd</sup> 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. 6<sup>th</sup> 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. 53<sup>rd</sup> 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. 54<sup>th</sup> 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. 58<sup>nd</sup> 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 Angeles, USA, March 30 - April 3, 2020 (visio because of the covid)

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. PGM 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. ICERM's topical workshop Interacting Particle Systems: Analysis, Control, Learning and Computation, Brown University, USA, May 6-10, 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 85th Anniversary of Professor Alain Bensoussan, Shandong University, China, May 11-13, 2025