Gilles A. Francfort

Research Scientist, Flatiron Institute, 162 Fifth Avenue, New York, NY 10010

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Past Professional Experience

1994-2023	Professor, Université Paris-Nord (now called Université Sorbonne Paris-Nord), Villetaneuse.
2014-2022	Visiting Professor (spring semester), Courant Institute, NYU.
2011-2016	Senior Member, Institut Universitaire de France.
1993-1994	Visiting Associate Professor, Department of Mathematics, CMU.
1990-1991	Senior Research Scientist, Courant Institute, NYU.
1983-1992	Research Scientist, Laboratoire Central des Ponts et Chaussées.

Degrees

1989	Habilitation à diriger des recherches, Université Paris 6.
1982	Ph.D., Stanford University.
1978	Ingénieur Civil des Ponts et Chaussées.

Non-academic cursus

1982-1983	Military service, France (did not like it).
1992-1993	NYU Law School (did not like it either).

Honors

2002	Prix Doistau-Blutet, Académie des Sciences (with J.-J. Marigo).

Plenary Conferences

05/98	Congrès National d'Analyse Numérique 1998, Arles, France.
03/10	GAMM 2010, 81st Annual Meeting, Karlsruhe, Germany.
07/11	ICIAM 2011, Vancouver, Canada.

Supervision

1998	Blaise Bourdin: Professor, McMaster University.
2005	Jean-François Babadjian: Professeur, Université Paris-Sud.

Editorial Board

Annales de l'Institut Henri Poincaré (C) Analyse Non Linéaire

Applied Mathematics Research Express (defunct)

Mathematics and Mechanics of Complex Systems (honorary)

Contractual and sponsored activity

2019-2023	Co-Principal Investigator: NSF grant *DMS/DMREF-1922371* "Elastomers Filled with Electro- and Magneto-Active Fluid Inclusions: A New Paradigm for Soft Active Materials." *with* PI: O. Lopez-Pamies, Co-PIs: I. Chasiotis, Z. Ounaies.
2016-2020	Co-Principal Investigator: NSF grant *DMS-1615839* "Fracture in Soft Organic Solids – The Variational View." *with* PI: O. Lopez-Pamies, Co-PI: Michael J. Shelley.

Various Services

Referee for: Arch. Rat. Mech Anal., *J. Mech. Phys. Solids*, M2AN, *M2AS*,
Comptes Rendus Acad. Sc. Paris, *J. Convex Anal.*, S.I.AM. J.
Appl. Math., *S.I.A.M. J. Math. Anal.*, J. Elasticity, *Port. Mat.*,
Interfaces Free Bdaries, *Eur. J. Mech.*, Ann. Fac. Sc. Toulouse,
Appl. Math. Optim., Asymp. Anal., *Proc. Royal Soc. London*,
Proc. Royal Soc. Edinburgh, *Nonlinear Anal.*, J. Nonlinear Sc.,
Com. Part. Dif. Eq., Eur. J. Appl. Math., *ESAIM: COCV*,
Zeit. Ang. Math. Mech., *Annali di Mat*, Proc. A.M.S.,
Cont. Mech and Therm., J. Diff. Eqns., *Nonlinearity*,
J. Funct. Anal., *Comm. Pure Applied Maths.*, J. Maths Pures
Appliquées, *Optimization*, Cont. Discrete Dyn. Systems, *M3AS*,
Annali Scuola Norm. Sup. Pisa, *Comp. Appl. Maths.*,
J. Dyn. Differential Eqns., *S.I.A.M. Mult. Mod. Sim.*,
IMA J. Applied Maths, *Calc. Var.*, Eng. Fracture Mech.
J. Eur. Math. Soc., Int. J. Fracture, *BCAM Springer Briefs*,
Int. J. Solids Struct., *J. Ecole Polytechnique*, PNAS,
J. Amer. Math. Soc., Analysis and Appl., *Advances Calc. Var.*
Comp. Meth. App. Mech. Eng. + about 10 books.

Expertise: European Research Council, International Centre for
Mathematical Sciences Research-in-groups, Ecos Sud,
Mathematics Responsive Mode, Engineering and Physical
Sciences Research Council, IndAM, INRIA Research Project
Teams, e-GAP (The Royal Society), Austrian Science Fund
(FWF), Israel Science Fundation, Czech Science Foundation
(GAČR).

Conferences organized

06/92	Member of Organization Committee: *First European Congress of Mathematics*, Paris, July 06 -10, 1992.
09/04	Co-organizer with A. Mielke (Stüttgart) of *Workshop on Rate Independent Processes*, Paris, Aug. 30 – Sept. 01, 2004.
07/06	Co-organizer with G. Dal Maso (Trieste), V. Ferone (Napoli), F. Murat (Paris) of Special Session: *P.D.E.'s and applications*, in *Joint Meeting Mathematics and Its Applications*, Torino, July 03 – 07, 2006.
02/07	Co-organizer with G. Dal Maso (Trieste), A. Mielke (Stüttgart), T. Rubicek (Prague) of Oberwolfach Workshop: *Analysis and Numerics for Rate Independent Processes*, Oberwolfach, Feb. 25 – Mar. 03, 2007.
07/07	Co-organizer with K. Hamdache (Palaiseau), L. Mascarenhas (Lisboa), F. Murat (Paris) of Conference: *Des équations aux dérivées partielles au calcul scientifique, Congrès en l'honneur de Luc Tartar*, Paris, July 02 – 06, 2007.
09/07	Member Scientific Committee CEDYA 2007 *X Congreso de Matemática Aplicada*, Sevilla, Sept. 24–28, 2007.
05/08	Co-organizer with G. Dal Maso (Trieste), A. Garroni (Rome), C. Larsen (Worcester) of four-part mini-symposium: *Damage and Fracture Evolution*, SIAM conference on *Mathematical Aspects of Materials Science*, Philadelphia, May 11 – 14, 2008.
09/08	Member Scientific Committee IUTAM Conference on *Variational Concepts with Applications to the Mechanics of Materials*, Bochum, Sept. 22–26, 2008.
05/10	Member Organizing Committee SIAM Conference on *Mathematical Aspects of Materials Science*, Philadelphia, May 23–26, 2010.
07/14	Co-organizer with M. Kružik (Prague), A. Gloria (Brussels), of Workshop: *Relaxation, Homogenization and Dimensional, Reduction in Hyperelasticity*, Paris, March 25 – 27, 2014.
08/15	Co-organizer with S. Luckhaus (Leipzig) of Oberwolfach Mini-Workshop: *Scales in Plasticity*, Oberwolfach, Nov. 8 – 14, 2015.
01/16	Co-organizer with C. Miehe (Stuttgart) of 15th GAMM-Seminar on Microstructures, Paris, Jan 22 – 23, 2016.
05/16	Co-organizer with B. Bourdin (Baton Rouge), C. Larsen (Worces -ter), C. Maurini (Paris) of BIRS Workshop "Variational Models of Fracture", Banff, May 9 –13, 2016.
05/18	One of 9 co-organizers of Workshop "Vers une vision variation -nelle de la mécanique", Porquerolles, May 31 –June 2, 2018.
05/20	Member Organizing Committee SIAM Conference on *Mathematical Aspects of Materials Science*, Bilbao, May 18 – 22, 2020; took place online May 2021.

Invited Visits outside France

University of Michigan: 08/84 (1 week); 06/85 (2 weeks); 04/86 (1 week); 12/88 (1 week).

California Institute of Technology: 04/86 (1 week); 06/97 (1 week); 06/98 (2 months); 08/02(6 weeks).

Carnegie Mellon University: 10/91(1 week); 04/91(1week); 12/94 (1 week); 03/96 (1 month); 03/97 (2 weeks); 11/98 (1 week); 01/00 (1 week); 09/00 (1 week); 10/01 (3 weeks); 11/02 (3 weeks); 11/03 (3 weeks); 10/04 (2 weeks); 11/13 (1 week); 11/14(1 week).

Mathematical Science Research Institute, Berkeley: 01/91 (2 weeks).

University of Minnesota: 04/91(1 week); 03/94(1 week); 06/96(1 week).

University of Utah: 04/96(1 month); 01/05(1 week); 10/25(4 days).

University of California at Los Angeles: 07/96 (1 month).

Rice University: 10/95 (1 week).

Università di Napoli: 12/84 (1 week).

Danmarks Tekniske Hojskole: 02/86 (1 week).

Universidade de Lisboa: 06/86 (1 week).

I.C.T.P., Trieste: 10/85 (2 weeks); 01/90 (3 weeks).

Heriot-Watt University: 06/86 (1 week); 12/17 (2 days).

Universidad Complutense of Madrid: 02/95 (1 week).

Universidad de Chile, Santiago: 06/96 (1 month).

Max-Planck Institut fur Mathematik, Leipzig: 03/98 (1 week); 05/98 (2 weeks), 11/97 (3 weeks); 04/08(3 days)..

Worcester Polytechnic Institute: 01/00(1 week), 08/01(1 week); 11/02(1 week); 11/14(3 days).

Isaac Newton Institute, Cambridge: 10/99(8 weeks)

Universidad de Sevilla: 04/00(1 week).

Università di Roma 1: 12/01(2 weeks); 11/07(1 week).

Università di Roma 2: 12/02(1 week); 02/05(1 week); 12/19 (3 days).

S.I.S.S.A.: 01/03(3 weeks); 04/13(2 weeks); 05/15 (1 week).

University of Warwick: 06/03(1 week).

Rutgers University: 11/04(1 week).

Scuola Normale Superiore di Pisa: 10/06(1 month).

Oxford University: 12/06(1 week).

University of Bristol: 06/08(1 week).

Università di Brescia: 07/10(3 days); 01/25(1 week).

McGill University: 01/11(3 days).

Cornell University: 05/11(3 days).

Università di Pavia: 12/11(3 days); 06/12(3 days);10/16(1 week); 01/25(3 days).

Technische Universität München: 07/12(3 days).

Technische Universität Dortmund: 03/13(3 days).

University North Texas: 10/13(4 days).

Stanford University: 02/02 (2 days); 12/15(3 days).

University of Illinois at Urbana-Champaign: 09/15 (3 days).

Purdue University: 04/16 (3 days).

Schrödinger Institute, Vienna: 06/16 (2 weeks).

University of Texas at Austin: 04/17 (3 days).

Louisiana State University at Baton Rouge: 04/19 (4 days).

Technische Universität Braunschweig: 06/19 (4 days).

ICERM, Brown University: 10/21 (3 days).

McMaster University: 03/23 (3 days).

University of Zagreb: 04/25 (1 week).

Seminars
*: *colloquium*/ 📷: *remote seminar*

1983	ONERA, Université Nancy 1, Ecole Mines Nancy, Ecole Polytechnique.
1984	Ecole Normale Supérieure, Université Paris 6, Academia Navale de Napoli, Ecole Polytechnique.
1985	Université Paris 6, Université de Metz, University of Michigan.
1986	Université Paris 6, Université de Chambéry, Danmarks Tekniske Hojskole, University of Michigan, Universidade de Lisboa.
1988	Université du Languedoc, New Jersey Institute of Technology, University of Michigan, Université Paris 6.
1989	Carnegie Mellon University.
1990	Université de Toulon, Princeton University, Université Paris 6, Courant Institute.
1991	University of Delaware, University of Minnesota(2), Courant Institute, Carnegie Mellon University.
1992	Collège de France, Ecole Polytechnique, Université Paris 6, Université Paris-Sud.
1993	Carnegie Mellon University, Ecole Polytechnique.
1994	Collège de France, Université Paris-Sud, Carnegie Mellon University, Worcester Polytechnic Institute, Ecole Normale Supérieure, University of Minnesota.
1995	Universidad Complutense de Madrid, Rice University*.
1996	Université Grenoble(2), Université Paris 6, Carnegie Mellon University, University of Utah, Universidad de Chile.
1997	Carnegie Mellon University, Université Paris 6, Oxford University.
1998	Université Orléans, Université Paris 6(2) , Max Planck Institut Leipzig, Universite Nice, Carnegie Mellon University:.
1999	Ecole Polytechnique*.
2000	Worcester Polytechnic Institute, Université Paris 6, Universidad de Sevilla, SISSA.
2001	Worcester Polytechnic Institute, Université Versailles, Université Paris 6, Università di Roma 1, Carnegie Mellon University.
2002	Université Paris 6, Université de Rennes, Stanford University, Ecole Nationale des Ponts et Chaussées, Carnegie Mellon University, Worcester Polytechnic Institute.
2003	Courant Institute, Louisiana State University, University of Warwick, Carnegie Mellon University.
2004	Courant Institute, Carnegie Mellon University, Université de Grenoble, Rutgers, Technische Universität Kaiserslautern.
2005	Ecole Polytechnique, Université Paris 6, University of Maryland, University of Utah.
2006	Oxford University, Ecole Polytechnique.
2007	Yeshiva University, Temple University, Worcester Polytechnic Institute, New York University, Brown University, University of Pennsylvania.
2008	Université Rennes*, INRIA, Max Planck Institut Leipzig, University of Bristol.
2009	Collège de France, Courant Institute, Fédération Francilienne de Mécanique.
2011	McGill University, CRS-ISM Université de Montréal*, GDR Chant, Ecole Polytechnique(2), Cornell University, Courant Institute, Institut des Hautes Etudes Scientifiques (Séminaire Schwartz).

2012	Université Paris 6, Université de Grenoble, Courant Institute(2), Technische Universität München, Temple University.
2013	Technische Universität Dortmund, Carnegie Mellon University, University of North Texas.
2014	Courant Institute*, University of Pittsburgh*, Worcester Polytechnic Institute.
2015	Université Paris 6, Université Libre de Bruxelles, Stanford University*.
2016	Purdue University* (+seminar), University of Connecticut, Università di Pavia.
2017	University of Texas at Austin, Heriot-Watt University.
2018	Courant Institute.
2019	Louisiana State University*, Technische Universität Braunschweig, Université Paris 6 (2 seminars), Università di Roma 1.
2020	Westfälische Wilhelms-Universität Münster* 📷.
2021	Hebrew University* 📷, Online North East PDE and Analysis Seminar (ONEPAS)📷, ICERM Brown University, Université Paris-Sud.
2023	McMaster University*, Sorbonne Université.
2025	University of Zagreb, University of Utah*.

Communications, lectures during special schools

**: *course*   /#:*did not give a talk*   /📷: remote conference

09/83	6ème Congrès francais de mécanique, Lyon, France.
07/84	International Conference on Numerical Methods for Transient and Coupled Problems, Venezia, Italy.
01/85	Symposium on Energy Release Rates and Path Independent Integrals in Defect and Fracture Mechanics, Bad Honnef, Germany.
10/85**	Workshop on Semi-group Theory, International Center for Theoretical Physics, Trieste, Italy.
07/86	Symposium on Non-Classical Continuum Mechanics: Abstract Techniques and Applications, Durham, UK.
09/86	IUTAM Symposium on Thermomechanical Coupling in Solids, Paris, France.
12/88	SIAM Conference on Random Media, Leesburg, USA.
01/90	Workshop on Composite Media and Homogenization Theory, Trieste, Italy.
03/90	Mécamat, Evian, France.
06/90	Workshop: Mathematical Problems in Non Linear Elasticity, Oberwolfach, Germany.
12/90	Problèmes non linéaires appliqués, Ecole CEA-EDF-INRIA, Clamart, France.
01/91	P.D.E. Conference on Homogenization, Berkeley, USA.
06/91	First European Conference on Elliptic and Parabolic Problems, Pont-à-Mousson, France.
06/92	Topology Design of Structures, Sesimbra, Portugal.
06/93	CIRM meeting on Calculus of Variations, Homogenization and Continuum Mechanics, Luminy, France.
02/94	North American Conference on Smart Structures and Materials, Orlando, USA.
04/94	SIAM Conference on Mathematics of Materials, Pittsburgh, USA.
02/95	Eurhomogenization Conference, Madrid, Spain.
03/95**	Workshop on Shape Optimization, Saint Etienne, France.
06/95	Calculus of Variations and Nonlinear Elasticity, Cortona, Italy.
06/95	Conference on Dynamics of Microstructures, Hanover, Germany.
07/95	Minisymposium Shape Optimization, ICIAM 95, Hamburg, Germany.
07/95**	Conference on Optimal Design, Banach Center, Warsaw, Poland.
08/95	Conference on Structural Optimization, Salt Lake City, USA.
06/96	Workshop on Interface and Thin Films, IMA, Minneapolis, USA.
03/97	IUTAM Symposium on Composites/Active Materials, Cairo, Egypt.
05/97	Second SIAM Conference on the Mathematical Aspects of Materials Science, Philadelphia, USA.
06/97	Workshop: Mathematical Continuum Mechanics, Oberwolfach, Germany.
07/97**	School on Shape Optimization, CEMRACS, Orsay, France.
09/97**	Summer School on the Mathematics of Materials, CIM, Coimbra, Portugal.
09/97	Multiscale II, Leipzig, Germany.
04/99	GAMM 99, Metz, France.
06/99	CIRM meeting on Shape Optimization, Luminy, France.
10-12/99	Workshop on Mathematical developments in solid mechanics and materials science, Isaac Newton Institute, Cambridge, UK.

07/00**	Euroconference on New Mathematical Methods in Continuum Mechanics, Anogia, Greece.
10/00	Symposium on Continuous Damage and Fracture, Cachan, France.
02/01	Workshop on Variational Methods beyond Elasticity, Leipzig, Germany.
06/01	First CSMA-GIMC Workshop on Modern Issues in Modelling and Computation of Damage and Failure, Cefalu, Italy.
07/01**	School on Multi-Scale Problems, CEMRACS, Orsay, France.
12/01**	School on Multiple Scales, Rome, Italy.
01/03**	Course on Brittle Fracture, SISSA, Trieste, Italy.
07/03	CIRM meeting on Shape Optimization, Luminy, France.
08/03	Recent Developments in Modelling Rupture, Foz do Iguacu, Brazil.
09/03	Workshop: P.D.E.'s and Materials, Oberwolfach, Germany.
10/03	Workshop on Homogenization, Orléans, France.
01/04	Third GAMM on Microstuctures, Stuttgart, Germany.
06/04	Midnight Sun Homogenization Conference, Narvik, Norway.
08/04	ICTAM04, Warsaw, Poland.
09/04	Variational Methods in Materials Science, Trieste, Italy.
09/04	Homogenization and Shape Optimization, Lisbon, Portugal.
12/04	Workshop: Thermodynamische Materialtheorien, Oberwolfach, Germany.
05/05	Mathematical Modeling in Continuum Mechanics, Alghero, Italy.
05/05	Equations aux dérivées partielles non-linéaires, Tipaza, Algeria.
09/05	Workshop on thin structures, Napoli, Italy.
10/05	Society for Natural Philosophy Meeting, Bari, Italy.
10/05	Workshop on the Calculus of Variations, Pittsburgh, USA.
10/05	AMS Sectional Meeting, Lincoln, USA.
11/05	Miniworkshop: Analysis and Computation of Microstructures in Finite Plasticity, Oberwolfach, Germany.
02/06	Modelling and analysis of phase transitions, Pisa, Italy.
05/06	VIII Congresso SIMAI, Ragusa, Italy.
07/06	SIAM Conference on Analysis of Partial Differential Equations, Boston, USA.
10/06	Workshop on Variational methods in Material Science, Pisa, Italy.
01/07	AMS Annual Meeting, New Orleans, USA.
06/07	Thermomechanical Modeling of Solids, Palaiseau, France.
10/07	SES 2007, College Station, USA.
11/07	Workshop on Rate-Independence, Homogenization and Multiscaling, Pisa, Italy.
02/08**	Fracture and Damage : Formation and propagation of singularities in continuum mechanics, Winter School, Institut Henri Poincaré, Paris, France.
03/08**	Singularities in Mechanics: formation, propagation and microscopic description, Centre Emile Borel, Paris, France.
05/08	SIAM Conference on the Mathematical Aspects of Materials Science Philadelphia, USA.
06/08	Workshop on Geometric Analysis, Elasticity, and PDE on the 60th Birthday of John Ball, Maxwell Institute and Heriot-Watt University, Edinburgh, UK.
09/08	IUTAM Symposium on Progress in the Theory and Numerics of Configurational Mechanics, Erlangen, Germany.

06/09**	LMS–EPSRC Short Course on the Mathematics of Materials, Oxmos, Oxford University, Oxford, UK.
09/09	Homogenization and Optimal Design, Sevilla, Spain.
12/09	SIAM Conference on Analysis of PDE's, Miami, USA.
01/10	New Developments in Elasticity, the Legacy of Robert Hooke, Oxford, UK.
02/10	Motions of Interfaces and Non Linear P.D.E.'s, Tours, France.
05/10	SIAM Conference on the Mathematical Aspects of Materials Science Philadelphia, USA.
07/10**	Variational Models and Methods in Solid and Fluid Mechanics, CISM, Udine, Italy.
08/10**	Ecole Thématique 2010, GDR Chant: Enjeux de Modélisation et Analyse Liés aux Problèmes de Surfaces Rugueuses et de Défauts, Wolfgang Pauli Institute, Wien, Österreich.
08/10	Rate-independent systems: Modeling, Analysis, and Computations, B.I.R.S. Workshop, Banff, Canada.
09/10	Stability and Nonlinear Solid Mechanics, Institut Henri Poincaré, Paris, France.
07/11**	School "Mechanics of Fractures and Second Gradient Theory", M&Mocs, La Cisterna, Italy.
12/11	Workshop: Variational Methods for Evolution, Oberwolfach, Germany.
03/12	Workshop: Mechanics of Materials, Oberwolfach, Germany.
06/12	Variational Problems with Multiple Scales, Otranto, Italy.
07/12	Exotic Structures and Homogenization, Saint-Petersburg, Russia.
09/12	Evolution Problems in Damage, Plasticity and Fracture, Udine, Italy.
02/13	12th GAMM Seminar on Microstructures, Berlin, Germany.
04/13**	Evolution Problems for Fracture Mechanics, SISSA, Trieste, Italy.
05/13	PACAM XIII, Houston, USA.
06/13	SIAM Conference on the Mathematical Aspects of Materials Science Philadelphia, USA.
06/13	15ème Rencontres Mathématiques de Rouen, Rouen, France.
09/13	International Conference on Nonlinear and Multiscale Partial Differential Equations: Theory, Numerics and Applications, Shanghai, China.
09/13	Evolution Problems for Material Defects: Dislocations, Plasticity, and Fracture, Trieste, Italy.
11/13**	Multi-scale and Multi-field Representations of Condensed Matter Behavior, Pisa, Italy.
12/13	Workshop: Material Theory, Oberwolfach, Germany.
06/14	International Conference on Length Scale in Solid Mechanics: Mathematical and Physical Aspects, Paris, France.
09/14**	Analyse Variationnelle et Microstructuration, $3^{\text{ème}}$ école d'été de mécanique, Quiberon, France.
12/14	Workshop:Variational Methods for Evolution, Oberwolfach, Germany.
01/15	14th GAMM Seminar on Microstructures, Regensburg, Germany.
05/15**	Variational Methods for Plasticity & Dislocations,SISSA,Trieste, Italy.
05/15	PACAM XV, Champaign, USA.
12/15	Workshop Calculus of Variations and its Applications on the 65th birthday of Luisa Mascarenhas, Caparica, Portugal.
05/16	Workshop New Challenges in the Calculus of Variations in honor of the 60th birthday of Irene Fonseca, Montreal, Canada.

06/16	Workshop Advances in the Mathematical Analysis of Material Defects in Elastic Solids, SISSA, Trieste, Italy.
06/16	Workshop Entropy methods, dissipative systems, and applications, Schrödinger Institute, Vienna, Austria.
01/17	16th GAMM Seminar on Microstructures, Dortmünd, Germany.
07/17	Workshop on Multiscale Problems and Relaxation in Nonlinear Elasticity, Dresden, Germany.
07/17	Workshop: Material Theories, Oberwolfach, Germany.
08/17**	Free discontinuity problems and applications in fracture, mechanics Research Summer School, Ningbo, China.
02/18	Workshop: Variational Methods for Inelastic Solids, Oberwolfach, Germany.
05/18#	Topics in the Calculus of Variations: Recent Advances and New Trends, B.I.R.S. Workshop, Banff, Canada.
06/18	Celebrating Approximate 60s, Shanghai, China.
06/18	Free Boundary, Free Discontinuity Problems and Applications, Ningbo, China.
08/18	New Trends in the Variational Modeling of Failure Phenomena, Shrödinger Institute Workshop, Vienna, Austria.
11/18	Rencontres Franco-Tchèques de mathématiques, Lyon, France.
01/19	Joint Mathematics Meeting, AMS Special Session on Multiscale Problems in the Calculus of Variations, Baltimore, USA.
03/19#	Phase-Field Models of Fracture, B.I.R.S. Workshop, Banff, Canada.
01/20	Calculus of Variations and Applications, on the Occasion of Gianni Dal Maso's 65th birthday, Trieste, Italy.
03/20	Workshop: Mechanics of Materials, Oberwolfach, Germany.
03/20	Fracture across scales, 2nd Visitors Workshop, Marloffstein, Germany.
03/21#📷	Workshop: Homogenization Theory: Periodic and Beyond, Oberwolfach, Germany.
02/22📷	Workshop: Free Boundary Problems and Related Evolution Equations E.S.I., Vienna, Austria.
04/22	Workshop: Polycrystals: Microstructure and Plasticity, ICMS, Edinburgh, UK.
05/22	Calcvar21, Carthage, Tunisia.
06/22	20 years of Summer Schools on CalcVar in Rome, Rome, Italy.
06/22	Analysis, PDEs and Applications. Celebrating the 60th anniversary of Professor Nenad Antonić, Dubrovnik, Croatia.
09/22	Regularity theory for elliptic and parabolic systems and problems in continuum mechanics, Telc, Czech Republic.
11/22	Applied Analysis: a celebration of the science of Bob Kohn, New York, USA.
04/23	Compensated Compactness and Applications to Materials, B.I.R.S. Workshop, Banff, Canada.
09/23	Variational Methods for Material Failure, FAU Erlangen, Germany.
10/23	Variational and Geometric Structures for Evolution, Levico, Italy.
11/23	New Trends in Homogenization, Roscoff, France.
01/24	23rd GAMM Seminar on Microstructures, Bochum, Germany.
02/24	Workshop: Differential Inclusions and Continuum Mechanics, ETH Zürich, Switzerland.
03/24	Measures and Materials, Warwick, United Kingdom.
09/24	Frontiers in the Calculus of Variations, Samos, Greece.

List of Publications

1. Homogénéisation et oscillations rapides en thermoélasticité linéaire,
   C.R.A.S. Paris(1), 295, 1982, 367–370.
2. Conservation laws and material momentum in thermoelasticity,
   with A.G. Herrmann, J. Appl. Mech., 104, 1982, 710-714.
3. Homogénéisation de milieux viscoélastiques linéaires de Kelvin-Voigt,
   with D. Leguillon, P. Suquet, C.R.A.S. Paris(1), 296, 1983, 287-290.
4. Thermodynamique et lois de comportement thermomécanique
   homogénéisées,
   with Q.S. Nguyen, P. Suquet, C.R.A.S. Paris(2), 296, 1983, 1007-1010.
5. Homogenization and linear thermoelasticity,
   S.I.A.M. J. Math. Anal., 14(4), 1983, 696-708.
6. Homogenization and fast oscillations in linear thermoelasticity,
   in: Numerical Methods for Transient & Coupled Problems, R. Lewis,
   E.Hinton, P. Betess, B.Schrefler, eds.,Pineridge, Swansea,1984,382-393.
7. Homogenization and optimal bounds in linear elasticity,
   with F. Murat, Arch. Rat. Mech. Anal., 94(4), 1986, 307-334.
8. Homogenization and mechanical dissipation in thermoviscoelasticity,
   with P. Suquet, Arch. Rat. Mech. Anal. , 96(3), 1986, 265-293.
9. A contour integral and an energy release rate in thermoelasticity,
   with A.G. Herrmann, Int. J. Sol. Struct., 22(7), 1986, 759-766.
10. Asymptotic thermoelastic behavior of flat plates,
    with D. Blanchard, Quat. Appl. Math., 45(4), 1987, 645-667.
11. Optimal bounds for conduction in two–dimensional, multiphase,
    polycrystalline Media,
    with G.W. Milton, J. Stat. Phys., 46, 1987, 161-177.
12. Asymptotic transient thermoelastic behavior,
    in: Proceedings of the IUTAM Symposium on Thermomechanical
    Coupling in Solids, H.D. Bui , Q.S. Nguyen, eds. ,Elsevier, Amsterdam,
    1987, 291-304.
13. Study of a doubly non–linear heat equation with no growth assumption
    on the parabolic term,
    with D. Blanchard, S.I.A.M. J. Math. Anal., 19(5), 1988, 1032-1056.
14. Optimal bounds for conduction in two–dimensional, two phase, anisotropic
    media,
    with F. Murat, **in:** Proceedings of the Durham Symposium on Non-
    Classical Continuum Mechanics, R.J. Knops, ed., Cambridge Press,
    Cambridge, 1987,197-212.
15. Homogenization in thermoelasticity,
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