

UNIVERSITÀ DEGLI STUDI DELL'AQUILA
Prof. Corrado Lattanzio
Curriculum scientifico

(Aggiornato il 2024/10/28)

Personal information and education

- Born in L'Aquila, 1973
- Laurea (cum laude) in Mathematics, University of L'Aquila, July 21, 1995
- PhD in Mathematics, University of Roma "Tor Vergata", April 5, 2000

Awards

Degree award "Giuliano Sorani", School of Science, University of L'Aquila

Academic positions

- 7/95-1/96 CNR undergraduate Fellow, University of L'Aquila
- 2/96-10/99 PhD Fellow, University of Roma "Tor Vergata"
- 3/00-2/08 Research Associate, School of Engineering, University of L'Aquila
- 3/08-10/17 Associate Professor, Department of Information Engineering, Computer Science and Mathematics, University of L'Aquila
- 11/17-present Full Professor, Department of Information Engineering, Computer Science and Mathematics, University of L'Aquila

PhD students and PostDocs

PhD students

- Amelio Maurizi, "*Moving Bottlenecks in Car Traffic Flow: Modeling, Analysis and Simulations*", PhD "Ingegneria e Modellistica Fisico-Matematica", University of L'Aquila, 2006-2010 (co-advisor Prof. B. Piccoli)
- Raffaele Folino, "*Metastability for hyperbolic variations of Allen-Cahn equation*", PhD "Matematica e Modelli", University of L'Aquila, 2014-2016 (co-advisor Prof. C. Mascia)
- Delyan Zhelyazov, "*Existence and stability of waves in hydrodynamic models with dissipation*", PhD "Mathematics in Natural, Social and Life Sciences", Gran Sasso Science Institute, 2014-2018 (co-advisor Prof. P. Marcati)
- Giada Cianfarani Carnevale, "*High friction limits for Euler-Korteweg and Navier-Stokes-Korteweg models*", PhD "Matematica e Modelli", University of L'Aquila, 2018-2022

PostDocs

- Amelio Maurizi, University of L'Aquila, 2012-2013
- Raffaele Folino, University of L'Aquila, 2017-2019
- Delyan Zhelyazov, University of L'Aquila, 2019-2021

Visiting

- Mittag-Leffler Institute (Stockholm, 9/97)
- Ecole Normale Supérieure (Lyon, 2/3-9/4 and 15/4-9/5/98)
- Institut für Angewandte Mathematik (Heidelberg, 6-30/4/99)
- Max Planck Institute (Leipzig, 13/6-8/7/00)
- Laboratoire J.A. Dieudonné (Nice, 1-2/03 and 7/05)
- Isaac Newton Institute for Mathematical Sciences (Cambridge, 15-30/3/03)
- Institute of Applied and Computational Mathematics, FORTH and Archimedes Center for Modeling, Analysis and Computation, Department of Applied Mathematics (Heraklion, 2-4/04, 2-4/11 and 2-4/13)
- Stanford University (15-31/7/04)
- King Abdullah University of Science and Technology (12-24/3/18)

Invited speaker (short)

- Nonlinear Hyperbolic Problems, Paris, Ecole Normale Supérieure, '00
- AIMS 5th International Conference on Dynamical Systems and Differential Equations, Pomona (Los Angeles), '04
- Summer Workshop Kinetic Theory and Conservation Law, Stanford, '04
- Fourth Meeting on Hyperbolic Conservation Laws: Recent Results and Research Perspectives, SISSA, Trieste, '05
- ENUMATH 2005, Santiago de Compostela, '05
- IX SIMAI Congress, Rome, '08
- International Conference on Applied Analysis and Scientific Computation, Shanghai '09
- Kinetic and Mean-field models in the Socio-Economic Sciences, Edinburgh, '09
- Mathematics of Traffic Flow Modeling, Estimation and Control, IPAM, Los Angeles, '11
- Fourteenth International Conference on Hyperbolic Problems: Theory, Numerics, Applications, Padova, '12
- Hyperbolic Techniques for Phase Dynamics, Mathematisches Forschungsinstitut Oberwolfach, '13,
- International Conference on Applied Mathematics, Heraklion, '13,
- AIMS 10th International Conference on Dynamical Systems, Differential Equations and Applications, Madrid, '14
- ANalysis and CONtrol on NETworks: trends and perspectives, Padova, '16
- 11th Meeting on Nonlinear Hyperbolic PDEs and Applications, on the occasion of the 60th birthday of Alberto Bressan, SISSA, Trieste, '16
- International Congress on Industrial and Applied Mathematics - ICIAM 2019, Valencia, '19

Scientific organization

- Local organizing committee: Advances on Nonlinear PDEs (L'Aquila '02), Workshop on Dispersive Equations in Mathematical Physics (L'Aquila '03), Around Hyperbolic and Kinetic Equations 3 (Rome '05), Sixth meeting on Hyperbolic Conservation Laws: Recent results and Research perspectives (L'Aquila '08), The geometry of Banach spaces, random dynamical systems and differential equations (L'Aquila '19)
- Special Session for: AIMS 5th International Conference on Dynamical Systems and Differential Equations (Pomona (LA) '04), Mathematics and its applications (Torino '06)
- Scientific organizing committee: INdAM International Workshop Nonlinear Hyperbolic Problems (Roma 5-6/07), Tenth meeting on Hyperbolic Conservation Laws: Recent results and Research perspectives (L'Aquila '13)

Research projects

- Coordinator of the research project GNAMPA 2006 "Sistemi iperbolici nonlineari: modelli e analisi qualitativa" of the "Istituto Nazionale d'Alta Matematica - Gruppo Nazionale per l'Analisi Matematica, la Probabilità e le loro Applicazioni"
- Coordinator of the research project GNAMPA 2008 "Modelli iperbolici nonlineari in fluidodinamica" of the "Istituto Nazionale d'Alta Matematica - Gruppo Nazionale per l'Analisi Matematica, la Probabilità e le loro Applicazioni"
- Coordinator of the research project GNAMPA 2012 "Sistemi iperbolici nonlineari con applicazioni alla fisica e alle scienze sociali" of the "Istituto Nazionale d'Alta Matematica - Gruppo Nazionale per l'Analisi Matematica, la Probabilità e le loro Applicazioni"

Editorial Activities

- Managing Editor for Special Issues and Editorial Board member for Networks and Heterogeneous Media
- Referee for J. Differential Equations, Disc. Con. Dyn. Syst., SIAM J. Appl. Math., Nonlinearity, IMA J. Appl. Math., Commun. Pure Appl. Anal., J. Hyperbolic Differ. Equ., Commun. Math. Sci., SIAM J. Math. Anal., NoDEA Nonlinear Differential Equations Appl., Indiana Univ. Math. J., Kinet. Relat. Models, Arch. Ration. Mech. Anal., Math. Methods Appl. Sci., J. Math. Pures Appl.

(Last updated March 6, 2023)