

Ugo Bruzzo

Short Curriculum Vitae

Born in Genova (Italy) on Sept. 30, 1955.

Present position: Professor of Geometry, International School for Advanced Studies, Trieste.

Executive editor of the Journal of Geometry and Physics (since November 1, 2003).

Previous positions:

- 1979/82 Research Fellow of the Italian Research Council.
- 1982/83: High school teacher (electronics).
- 1983/1987: Assistant Professor of Mathematical Physics, University of Genova.
- 1987/1994: Associate Professor of Mathematical Physics, University of Genova.
- 1994/2002: Associate Professor of Mathematical Physics, International School for Advanced Studies, Trieste.

Studies: *Cum laude* degree in Physics, University of Genova, March 1979. Thesis work on the canonical formulations of the dynamics of general relativity.

Visiting positions: Princeton University (1984), Universidad de Salamanca (1987 and 1994), City University of New York (1990), Victoria University of Wellington (New Zealand) (1994 and 1998), Université Paris VII (2000), Tata Institute of Fundamental Research, Mumbai, India (2006), University of Pennsylvania (Philadelphia) (2008), Université de Lille I (2009).

Shorter visits: Universidad de Salamanca, Spain, University of Georgia (Athens, USA), Gannon University (Erie, USA), Université Paris VI, King's College of the University of London, the University of Edinburgh, Universidad Autonoma de Madrid, the University of Queensland in Brisbane, Australia, Instituto Superior Técnico (Lisbon), Universität Kaiserslautern (Germany), Tata Institute of Fundamental Research (Mumbai, India), Humboldt Universität Berlin, Nankai University (Tianjin, China), Tsinghua University (Beijing), University of Ottawa, Universidad Politécnica de Barcelona, University of Pennsylvania (Philadelphia). Penn State University (College Station), University of Wisconsin (Madison), Nankai University (Tianjin, China), Université de Lille (France), Rutgers University (Piscataway, USA), Ukrainian Academy of Sciences (Kiev), IMPA (Rio de Janeiro), Universidade Estadual de Campinas (Brazil).

Journal activity:

- Executive editor of the “Journal of Geometry and Physics” (since November 1, 2003).
- Editor of “Rivista di Matematica dell’Istituto di Matematica dell’Università di Trieste” (Since December 2008).

PhD theses in mathematics advised:

- C. Bartocci, “Elementi di una teoria globale delle supervarietà” (Università di Genova, 1990).

- F. Thompson, “New approaches to quaternionic algebra and geometry” (SISSA, 1999).
- G. Marelli, “A Fourier transform for sheaves on Lagrangian families of real tori” (SISSA, 2001).
- E. Macrì, Stability conditions in derived categories (SISSA, 2006).
- A. Ricco, Some comments on the local curve (B-side) (SISSA, 2006)
- L. Cirio, Symmetries of noncommutative spaces and equivariant cohomology (SISSA, 2008).
- F. Ferrari Ruffino, Topics in Topology and String Theory (SISSA, 2009).
- A. A. Henni, Monads and coherent sheaves on rational surfaces (SISSA, 2009).
- C. Rava, Monads and holomorphic bundles on Hirzebruch surfaces (to be defended in 2009).

Grant history:

- Joint Italian Spanish research projects (Years 1993-1994, 1999-2000, 2001-2003, 2006-2009).
- Local unit of the national research project “Geometry of differentiable manifolds” (1993-1996).
- Local unit of the national research project “Classification and properties of real and complex manifolds” (1997-1998).
- Research project “Noncommutative geometry: algebraic, analytic and probabilistic aspects and applications in mathematical physics”, funded by the Friuli-Venezia Giulia region (1999-2001).
- Local unit of the national research project “Singularities, Integrability, Symmetries” (2000-2002).
- Research project “Geometry of moduli spaces and applications in mathematical physics”, funded by the Friuli-Venezia Giulia region (2002-2004).
- Local unit of the national research project “Geometry of algebraic varieties” (2002-2004).
- INFN Research Project “Nonperturbative dynamics of gauge theories”.

Memberships

- European Research Group “Vector Bundles on Algebraic Curves” (member of the scientific committee)
 - National Group for Geometry and Algebra, Istituto Nazionale di Alta Matematica
 - Società Italiana di Relatività Generale e Gravitazione (SIGRAV)
 - Unione Matematica Italiana
 - Istituto Nazionale di Fisica Nucleare (INFN)
- I have published more than 60 scientific papers in refereed journals, 30 proceedings reports, 30 publications of different nature (popular expositions, course notes, undergraduate and high school textbooks and exercise sets, translations).
 - I have organized 20 international conferences, and I have taken part in the scientific committee of 12 additional conferences. Altogether I have participated in 130 international conferences, often delivering invited talks.