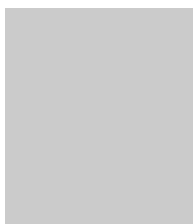


PERSONAL INFORMATION

Gregorio Falqui



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Sex Male | Date of birth [REDACTED] | Nationality Italian

WORK EXPERIENCE

March 2015 Onwards	Full Professor in Mathematical Physics, University of Milan-Bicocca
November 2005-February 2017	Associate Professor in Mathematical Physics, University of Milan-Bicocca
July 2002-October 2005	Associate Professor in Mathematical Physics, SISSA-Trieste
December 1994 – June 2002	Researcher in Mathematical Physics, SISSA-Trieste

EDUCATION AND TRAINING

Nov. 1990- Nov 1994	Post-Doctoral positions in Moscow, Paris, Milan and Montpellier.
Nov 1986-October 1990	Ph. Student at SISSA- Trieste. Ph. D degree in Mathematical Physics (October 1990)
February, 1985	Master degree (Laurea) in Physics, Università di Milano, 110/110 cum laude.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Good	Good	Good	Good	Good
French	Good	Good	Fair	Fair	Poor

Organisational / managerial skills

Leadership:
Acted as head of the Department of Mathematics and Applications of the University of Milan-Bicocca (average of 45 faculty members plus 20 Post Docs and Ph.D students from October 2015 to September 2021).
Network Coordinator of the RTN ENIGMA (2004-2008) and of the MCA IPaDEGAN (2018-ongoing).
Responsible of local units of 3 PRIN projects (2006, 2008, 2010).

Computer skills

Good familiarity with Mac OS and Linux. Fair with Windows.
Maple and Mathematica.

Driving licence

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ADDITIONAL INFORMATION

Publications

I am the (co)author of more than 50 papers on different aspects of Mathematical Physics. His main current research interests are the geometrical aspects of integrable systems and the applications of their methods to problems in fluid dynamics.
Selected papers:

Camassa, R, Falqui, G, Ortenzi, G, Pedroni, M, Pitton, G (2020). On the "Vacuum" Dam-Break Problem: Exact Solutions and Their Long Time Asymptotics. SIAM JOURNAL ON APPLIED MATHEMATICS, vol. 80, p. 44-70, ISSN: 0036-1399, doi: 10.1137/19M1266836

Camassa, R, Falqui, G, Ortenzi, G, Pedroni, M, Thomson, C (2019). Hydrodynamic Models and Confinement Effects by Horizontal Boundaries. JOURNAL OF NONLINEAR SCIENCE, vol. 29, p. 1445-1498, ISSN: 0938-8974, doi: 10.1007/s00332-018-9522-6

Camassa R, Falqui G, Ortenzi G (2017). Two-layer interfacial flows beyond the Boussinesq approximation: a Hamiltonian approach. NONLINEARITY, vol. 30, p. 466-491, ISSN: 0951-7715, doi: 10.1088/1361-6544/aa4ff7

Camassa, R, Chen, S, Falqui, G, Ortenzi, GIOVANNI, Pedroni, M. (2012). An inertia 'paradox' for incompressible stratified Euler fluids. JOURNAL OF FLUID MECHANICS, vol. 695, p. 330-340, ISSN: 0022-1120, doi: 10.1017/jfm.2012.23

Falqui G, Lorenzoni P (2012). Exact Poisson pencils, τ -structures and topological hierarchies. PHYSICA D-NONLINEAR PHENOMENA, vol. 241, p. 2178-2187, ISSN: 0167-2789, doi: 10.1016/j.physd.2011.11.009

Chervov A, Falqui G, Rubtsov V (2009). Algebraic properties of Manin matrices 1. ADVANCES IN APPLIED MATHEMATICS, vol. 43, p. 239-315, ISSN: 0196-8858, doi: 10.1016/j.aam.2009.02.003

Falqui G, Chervov A (2008). Manin matrices and Talalaev's formula. JOURNAL OF PHYSICS. A, MATHEMATICAL AND THEORETICAL, vol. 41, ISSN: 1751-8113, doi: 10.1088/1751-8113/41/19/194006

Falqui G (2006). On a Camassa-Holm type equation with two dependent variables. JOURNAL OF PHYSICS. A, MATHEMATICAL AND GENERAL, vol. 39, p. 327-342, ISSN: 0305-4470, doi: doi:10.1088/0305-4470/39/2/004

Falqui G, Pedroni M. (2003). Separation of Variables for Bi-Hamiltonian Systems. MATHEMATICAL PHYSICS ANALYSIS AND GEOMETRY, vol. 6, p. 139-179, ISSN: 1385-0172, doi: 10.1023/A:1024080315471

Falqui G, Magri F, Pedroni M. (1998). Bi-Hamiltonian geometry, Darboux coverings, and linearization of the KP hierarchy. COMMUNICATIONS IN MATHEMATICAL PHYSICS, vol. 197, p. 303-324, ISSN: 0010-3616, doi: 10.1007/s002200050452

