Louis FUNAR
Mathematician

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Université Grenoble Alpes, France
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RESEARCH INTERESTS

Geometry and topology
Moduli spaces and mapping class groups
Asymptotic topology of discrete groups
Topological Quantum Field Theory

EDITORIAL —

Annales de l'Institut Fourier
Bollettino Matematica pura e applicata
Studia Math Babes-Bolyai Univ
Mathematica Cluj

SELECTED LECTURES —

2011 CFT, Topology and Information, IHP, Paris
2012 W.R. Hamilton Geometry and Topology workshop, Dublin
2014 Masterclass on the Grothendieck-Teichmüller- Thurston theories, Strasbourg
2017 Workshop on profinite groups and low dimensional topology, Marseille
2020 Teichmüller theory: classical, super and quantum, Luminy

VISITING —

University of Pisa, 1995
University of Palermo, 1996-2006
Columbia University, 1997
Tokyo Institute of Technology,1999
IMAR Bucharest, 2001
University of Ljubljana, 2005-2006
SNS Bucharest, 2007
Schrödinger Institute Vienna, 2013
University Babes-Bolyai Cluj, 2014

GRANTS —

2011-2016: ANR ModGroup
2006-2010: ANR Generalized Teichmüller spaces and geometry, local coordinator
1999-2000: Canon Fellowship

EDUCATION —

HDR: University of Grenoble, 2001
PhD: University of Paris-Sud, 1994 (Dir. Valentin Poenaru)
BS: University of Bucharest, 1990

PROFESSIONAL HISTORY —

2010-2022: Directeur de Recherches, CNRS, Institut Fourier
1999-2000: Visiting Associate Professor, Tokyo Institute of Technology
1994-2010: Chargé de Recherches, CNRS, Institut Fourier
1993-1994: ATER, University Paris-Sud
1990-1994: Junior Researcher, IMAR Bucharest

COMMUNITY SERVICE —

Director Institut Fourier since 2021
Chairman Scientific Committee Institut Fourier, 2017-2020
Secretary-Treasurer Annales Institut Fourier, 2011-2019
Director GDR 2105 Tresses, 2012-2015

COMMUNICATION ADVISING —

More than 75 papers in international journals
More than 100 conference/seminar talks
Supervising 13 PhD students (current 2)
Co-organizer of a dozen of international conferences/summer schools

SELECTED PUBLICATIONS —

Cubulations, mappability, immersions and a problem of Habegger, Annales Sci. Ecole Normale Sup. 32 (1999), 681–700.

On a universal mapping class group of genus zero, Geom. Functional Analysis 14 (2004), 965–1012. (with Ch. Kapoudjian)

Central extensions of the Ptolemy-Thompson group arising in quantized Teichmüller theory, J. Topology 3 (2010), 29–62. (with Vlad Sergiescu)

The first Johnson subgroups act ergodically on SU(2) character varieties, J. Diff. Geometry 95 (2013), 407–418. (with Julien Marché)

Torus bundles not distinguished by TQFT invariants, Appendix with Andrei Rapinchuk, Geometry & Topology 17 (2013), 2289–2344.

Diffeomorphisms groups of tame Cantor sets and Thompson-type groups, Compositio Math. 154 (2018), 1066-1110. (with Yurii Neretin)

Profinite completions of Burnside-type surface groups, Commun. Math. Phys. 360 (2018), 1061-1082.(with Pierre Lochak)