



# Louis FUNAR

## Mathematician

Institut Fourier  
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)