

INTERACTIONS OF LOW-DIMENSIONAL TOPOLOGY AND GEOMETRY WITH MATHEMATICAL PHYSICS



ITGP is an ESF research networking programme whose goal is to facilitate, stimulate and promote the interactions of low-dimensional topology & geometry with various fields, eg.

- gauge theory
- quantum topology
- symplectic topology & geometry
- string theory
- Teichmüller theory
- hyperbolic geometry
- quantum field theory

ITGP is a Europe-wide network which reflects the global nature of the research in these areas, and through ITGP, leading experts in these fields train a new generation of researchers and provide them with an interdisciplinary perspective, stimulating current and future progress.

Activities 2012

January

- Mathematical Aspects of Quantum Field Theories, Les Houches, France

March

- Workshop: Noncommutative Algebraic Geometry, Lorentz Center, Leiden, The Netherlands

March-June (ITGP Mid-term activity)

- Research programme on Geometry and Quantization of Moduli Spaces, CRM, Barcelona, Spain

June

- XXXI Workshop on Geometric Methods in Physics, Bialowieza, Poland

July

- 3Quantum: Algebra, Geometry, Information, Tallinn, Estonia
- Summer School + Conference: Poisson Geometry in Mathematics and Physics, Utrecht, The Netherlands

August

- Master Class: The Ehrenpreis conjecture, QGM, Denmark
- Conference: Progress in low-dimensional topology: Teichmüller theory and 3-manifold groups, QGM, Denmark.
- Conference: New Perspectives in topological field theories, Hamburg, Germany

September

- Workshop: Mathematics and Physics of Moduli Spaces, Heidelberg, Germany

Funding

Travel grants

Two types of travel grants are available:

- Short visits (up to 15 days)
- Exchange grants (15 days – 3 months)

Applications for travel grants will be reviewed regularly.

Science meetings

Deadlines:

- 15 October 2012 (only applications for science meetings taking place in 2013)
- 1 May 2013

Only applications submitted through the ESF online system can be taken into account. Applicants cannot get an answer/evaluation before the deadline. Events must take place after the deadline. Applications for science meetings should not exceed 5 pages + CV (1 page).

Please refer to the ITGP website for more application guidelines.

www.itgp.net

Contact: mail@itgp.net

Graphics 1-4 by C. McMullen <<http://www.harvard.edu/~ctm/>>

