

Workshop, October 16 – 20, 2023
of the Thematic Programme on
“Geometry beyond Riemann: Curvature and Rigidity”
September 11 - November 3, 2023
organized by

Ivan Izmistiev (TU Vienna), Athanase Papadopoulos (IRMA, Strasbourg), Marc Troyanov (EPFL, Lausanne), Sumio Yamada (Gakushuin U, Tokyo)

• **Monday, October 16th, 2023**

09:00 – 09:30 **Registration & Welcome**

09:30 – 10:20 **Francesco Bonsante (U Pavia)**

Projective rigidity of circle packings

10:20 – 10:40 **Coffee Break**

10:40 – 11:30 **Roman Prosanov (U of Vienna)**

On hyperbolic 3-manifolds with polyhedral boundary

11:30 – 12:20 **Jean-Marc Schlenker (U of Luxembourg)**

Understanding convex hyperbolic manifolds from their boundary

12:20 – 14:00 **Lunch Break**

14:00 – 14:50 **Andrea Seppi (U Grenoble Alpes)**

On the (non-)uniqueness of minimal surfaces in hyperbolic three-space

14:50 – 15:20 **Coffee Break**

15:20 – 16:10 **Alexander Lytchak (KIT, Karlsruhe)**

Conformal planes of bounded area

16:30 – 19:00 **Welcome Reception**

• **Tuesday, October 17th, 2023**

09:00 – 09:50 **Dmitry Faifman (Tel Aviv U)**

The Funk metric in and around convex geometry

09:50 – 10:20 **Coffee Break**

10:20 – 11:10 **Ken'ichi Ohshika (Gakushuin U, Tokyo)**

The bounded image theorem, the original argument and a new proof

11:10 – 12:00 **Yurii Neretin (U of Vienna)**

“Rational maps of Bruhat–Tits buildings.”

12:00 – 14:00 **Lunch Break**

14:00 – 14:50 **Sergiu Moroianu (IMAR)**

Gauss-Bonnet formulae on noncompact manifolds

14:50 – 15:20 **Coffee Break**

15:20 – 16:10 **Mohammad Ivaki (TU Vienna)**

Firey's worn stones are round.

• **Wednesday, October 18th, 2023**

09:00 – 09:50 **Gérard Besson (U de Grenoble)**

Bishop-Gromov's Inequality: a central tool in Geometry.

09:50 – 10:20 **Coffee Break**

10:20 – 11:10 **Anders Karlsson (UNIGE, Geneve)**

A fixed point theorem for isometries of metric spaces

11:10 – 12:00 **Hiroyasu Izeki (Keio U)**

Harmonic maps and random walks on countable groups

19:00 – 22:00 **Conference Dinner at Heurigen**

• **Thursday, October 19th, 2023**

09:00 – 09:50 **Tatiana Nagnibeda (U Genève)**

On spectra of Laplacians on infinite graphs

09:50 – 10:20 **Coffee Break**

10:20 – 11:10 **Ayato Mitsuishi (U Fukuoka)**

Quantitative Lipschitz homotopy convergence of Alexandrov spaces.

11:10 – 12:00 **Irina Markina (U of Bergen)**

A unified approach to extremal curves on Stiefel manifolds

12:00 – 14:00 **Lunch Break**

14:00 – 14:50 **Michael Kunzinger (U of Vienna)**

Lorentzian length spaces

14:50 – 15:20 **Coffee Break**

15:20 – 16:10 **Christian Müller (TU Vienna)**

Tensegrities and Koenigs nets

• **Friday, October 20th, 2023**

09:00 – 09:50 **Francois Fillastre (U Montpellier)**

Flat surfaces, cellulations of hyperbolic surfaces and convex polyhedra

09:50 – 10:20 **Coffee Break**

10:20 – 11:10 **Ingrid Irmer (SUSTech, Shenzhen)**

Schmutz-Thurston duality

11:10 – 12:00 **Daniel Massart (U de Montpellier)**

Algebraic intersection on surfaces.

12:00 – 14:00 **Lunch Break**

14:00 – 14:50 **Joan Porti (UA de Barcelona)**

A local approach to Anosov groups

14:50 – 15:20 **Coffee Break**

15:20 – 16:10 **Nicolas Tholozan (ENS Paris)**

Globally hyperbolic anti-de Sitter manifolds and compact Clifford-Klein forms

All talks take place at ESI Boltzmann Lecture Hall!