"Birational Workshop"

November 20 - 24, 2023

organized by
Raymond Cheng (Hannover), Mirko Mauri (ISTA), Roberto Svaldi (Milan)

Time measurement: CET

- **Monday, November 20**

08:30 - 09:20	*Arrival and Registration*
09:25 - 09:30	*Welcome by HIM Director Christoph Thiele*
09:30 - 10:30	**Davesh Maulik** *Perverse filtrations and abelian fibrations*
10:30 - 11:00	*Coffee break*
11:00 - 12:00	**Brent Pym** *A local Torelli theorem for log symplectic manifolds*
12:00 - 15:00	*Lunch break*
15:00 - 16:00	**Benjamin Bakker** *Algebraicity of Shafarevich maps*
16:00 - 16:30	*Coffee break*
16:30 - 17:30	**Junliang Shen** *A Fourier transform for abelian fibrations*
afterwards	*Get-Together*

- **Tuesday, November 21**

09:30 - 10:30	**Sho Tanimoto** *Sections of Fano fibrations over curves*
10:30 - 11:00	*Group Photo and Coffee break*
11:00 - 12:00	**Osamu Fujino** *Minimal model program for projective morphisms between complex analytic spaces*
12:00 - 14:00	*Lunch break*

14:00 - 15:00	**Michael Temkin** *Filling a few holes in the classical resolution of singularities*
15:15 - 16:15	**Cécile Gachet** *Orbifold fundamental groups of log Calabi-Yau surface pairs, and the Jordan constant of* $\mathrm{Bir}(\mathbb{P}^2)$
16:15 - 16:45	*Coffee break*

- **Wednesday, November 22**

09:00 - 10:00	**Lie Fu** *Hochschild cohomology and deformation theory of Hilbert schemes of points on surfaces*
10:00 - 10:30	*Coffee break*
10:30 - 11:30	**Salim Tayou** *The non-abelian Hodge locus*
11:45 - 12:45	**Ziquan Yang** *A new case of BSD conjecture and deformation of line bundles*

- **Thursday, November 23**

09:30 - 10:30	**Tasuki Kinjo** *Derived microlocal geometry and virtual invariants*
10:30 - 11:00	*Coffee break*
11:00 - 12:00	**Claire Voisin** *On the smoothing problem for cycles in the Whitney range*
12:00 - 14:00	*Lunch break*
14:00 - 15:00	**Eduard Looijenga** *Mapping classes and moduli spaces of K3 manifolds*
15:15 - 16:15	**Gabi Farkas** *Resonance and Koszul modules*
16:15 - 16:45	*Coffee break*

- **Friday, November 24**

09:00 - 10:00	**Jiao Junpeng** *Boundedness of slc degenerations of polarized log Calabi–Yau pairs*
10:00 - 10:30	*Coffee break*
10:30 - 11:30	**Cinzia Casagrande** *Fano 4-folds with $b_2 > 12$ are products of surfaces*
11:45 - 12:45	**Stéphane Druel** *Codimension 1 foliations with projectively flat tangent bundle*