

Singularities in Generic Geometry and its Applications

—Kobe-Kyoto 2015 (Valencia IV)—



RIMS Workshop

Date : June 8th (Monday), 2015 – June 10th (Wednesday), 2015
Venue : Room 420, Research Institute for Mathematical Sciences, Kyoto University, Japan.
HP : <http://www.math.kobe-u.ac.jp/HOME/saji/math/conf2015/geom2015e.html>

[Program]

June 8th

- 9:45–10:30 Wojciech Domitrz (Warsaw University of Technology)
Singularities of affine equidistants
- 10:45–11:30 Toru Ohmoto (Hokkaido University)
Geometry of plane-to-plane germs with corank two
- 13:00–13:45 Donghe Pei (Northeast Normal University)
On Mannheim curves in 3-dimensional space forms
- 14:00–14:45 Jiro Adachi (Hokkaido University)
Round surgery and contact structure
- 15:15–16:00 Stanisław Janeczko (Warsaw University of Technology)
Poisson algebras of singularities
- 16:15–17:00 Satoshi Nakamura (Tohoku University)
 K -Stability with a divisor and Log Futaki invariant

June 9th

- 9:45–10:30 Juan Nuno-Ballesteros (University of Valencia)
The link of a frontal surface singularity
- 10:45–11:30 Ayako Ido (Aichi University of Education)
On keen Heegaard splitting
- 13:00–13:45 Raúl Oset Sinha (Universitat de València)
Flat geometry of cuspidal edges

- 14:00–14:45 Kotaro Yamada (Tokyo Institute of Technology)
**Analytic extensions of spacelike maximal surfaces
in Minkowski 3-space to timelike surfaces**
- 15:15–16:00 Federico Sánchez-Bringas (Universidad Nacional Autónoma de México)
Extrinsic Geometry of Global Immersions of the Plane into \mathbf{R}^4
- 16:15–17:00 Masaharu Ishikawa (Tohoku University)
Stable maps and hyperbolic volumes of 3-manifolds

June 10th

- 9:45–10:30 Haiming Liu (Northeast Normal University)
**Legendrian dualities between spherical indicatrices of curves
and their singularities**
- 10:45–11:30 Miyuki Koiso (Kyushu University)
Stability and bifurcation for surfaces with constant mean curvature
- 11:45–12:30 Ilya Bogaevskii (Moscow State University)
**Implicit ordinary differential equations:
transitions and strengthening equivalence**
- 12:30– Closing

Scientific committee:

Bill Bruce, Alexey Davydov, Toshizumi Fukui, Peter Giblin, Stanisław Janeczko, Takashi Nishimura, Toru Ohmoto, María del Carmen Romero Fuster, Osamu Saeki, Maria Aparecida Soares Ruas, Federico Sánchez Bringas, Farid Tari.

Organizing committee:

Shyuichi Izumiya (Organizer for Kyoto), Goo Ishikawa, Kentaro Saji, Takashi Sano, Masatomo Takahashi, Minoru Yamamoto (Organizer for Kyoto), Takahiro Yamamoto.

Organizer:

Shyuichi Izumiya (Hokkaido University), Minoru Yamamoto (Hirosaki University).