Singularity theory and differential geometry

RIMS-Sing 3 Workshop

Date : November 7th (Monday), 2022 – November 9th (Wednesday), 2022
Venue : 7th floor, Research and Development Bureau, Saitama University, Japan.
HP : http://www.math.kobe-u.ac.jp/HOME/saji/math/conf2022/spmon/index.html

[Program]

November 7th

10:40–11:30 Farid Tari (Universidade de São Paulo)
**On k-folding map-germs and hidden symmetries of surfaces
in the Euclidean 3-space I**

13:30–14:20 Wojciech Domitrz (Politechnika Warszawska)
On singularities of the Gauss map components of surfaces in $\mathbb{R}^4$

14:40–15:30 Farid Tari (Universidade de São Paulo)
**On k-folding map-germs and hidden symmetries of surfaces
in the Euclidean 3-space II**

15:50–16:40 Masaaki Umehara (東京工業大学/Tokyo Institute of Technology)
Maximal surfaces in Lorentz-Minkowski 3-space and related topics I

November 8th

9:30–10:20 Federico Sánchez-Bringas (Universidad Nacional Autónoma de México)
Branch points of isothermal surfaces in n-Euclidean space, $n = 3, 4$ I

10:40–11:30 Farid Tari (Universidade de São Paulo)
On the multiplicity of umbilic points I

13:30–14:20 Masaaki Umehara (東京工業大学/Tokyo Institute of Technology)
Maximal surfaces in Lorentz-Minkowski 3-space and related topics II

14:40–15:30 Daniel Dreibelbis (University of North Florida)
Reconstructing surfaces from apparent contours

15:50–16:40 Farid Tari (Universidade de São Paulo)
On the multiplicity of umbilic points II

November 9th

9:30–10:20   Wojciech Domitrz (Politechnika Warszawska)
The geometry of improper affine spheres

10:40–11:30   Farid Tari (Universidade de São Paulo)
Geometric deformations of parameterized plane curves I

13:30–14:20   Federico Sánchez-Bringas (Universidad Nacional Autónoma de México)
Branch points of isothermal surfaces in n-Euclidean space, $n = 3, 4$ II

14:40–15:30   Daniel Dreibelbis (University of North Florida)
Direction fields defined by line bitangencies between surfaces

15:50–16:40   Farid Tari (Universidade de São Paulo)
Geometric deformations of parameterized plane curves II

* All times are Japan Standard Time (JST).

Organizers:
Kentaro Saji (Kobe University),
Masatomo Takahashi (Muroran Institute of Technology),
Minoru Yamamoto (Hirosaki University),
Takahiro Yamamoto (Tokyo Gakugei University),
Kaoru Ono (Kyoto University, Research Institute for Mathematical Sciences).