

# Singularities in Generic Geometry and its Applications

## —Kobe-Kyoto 2015 (Valencia IV)—

### Kobe session

Date : June 3rd (Wednesday), 2015 – June 6th (Saturday), 2015  
Venue : Rokko Hall in Kobe University Centennial Hall, Kobe University, Japan.  
HP : <http://www.math.kobe-u.ac.jp/HOME/saji/math/conf2015/geom2015e.html>

[Poster Session]

**June 5th 15:15–17:00**

Jorge Luiz Deolindo Silva (Universidade de So Paulo)

**An invariant in sufaces in  $\mathbb{R}^4$  and their applications**

Sanabria Codesal Esther (Universitat Politcnica de Valncia)

**Critical points for the generalized Gauss map**

Tomonori Fukunaga (Kyushu Sangyo University) and Masatomo Takahashi (Muroran Institute of Technology)

**On convexity of simple closed frontals**

Huhe Han (Yokohama National University)

**The dual transform is an isometry for spherical Wulff shapes**

Shun'ichi Honda (Hokkaido University) and Masatomo Takahashi (Muroran Institute of Technology)

**Evolutes of framed curves in  $\mathbb{R}^3$**

Goo Ishikawa (Hokkaido University)

**Tangential Mappings of Lagrange Surfaces and Their Singularities**

Shyuichi Izumiya (Hokkaido University)

**Caustics vs Graph-like big fronts**

Yutaro Kabata (Hokkaido University)

**Recognition problem of map-germs and applications**

Naoki Kitazawa (Tokyo Institute of Technology)

**Constructions of explicit fold maps and their applications**

Yuta Ogata (Kobe University)

**$D_4$ -singularities and parallel transformation of constant mean curvature surfaces**

Guillermo, Peñafort Sanchis (Universitat de València)

**TBA**

Kentaro Saji (Kobe University)

**TBA**

Daiki Sumida (Kyushu University)

**Fold singularities of product maps of absolute-values of mixed polynomials**

Keisuke Teramoto (Kobe University)

**Parallels of cuspidal edges**

Asahi Tsuchida (Hokkaido University)

**Singularities of End-point Mappings from the viewpoint of Implicit Differential Systems**

Minoru Yamamoto (Hirosaki University)

**Stable fold maps of oriented 3-manifolds to 3-space**

Takahiro Yamamoto (Kyushu Sangyo University)

**Cobordism group of Morse functions of surfaces with boundary**