

# 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>

#### [Program]

#### June 3rd

- 9:30– 9:45 Opening
- 9:45–10:30 Farid Tari (ICMC, University of Sao Paulo)  
**Evolutes of projections of space curves**
- 10:45–11:30 Masashi Yasumoto (Kobe University / OCAMI)  
**Discrete timelike isothermic surfaces**
- 13:00–13:45 Liang Chen (Northeast Normal University)  
**Dualities and evolutes of fronts in hyperbolic 2-space and de Sitter 2-space**
- 14:00–14:45 Naohiko Kasuya (Aoyama Gakuin University)  
**On the links of simple elliptic singularities and cusp singularities**
- 15:15–16:00 Qiang Li (Qiqihar University)  
**On the Number of Branches of Bifurcation Points in Banach spaces**
- 16:15–17:00 Cristina Valle (Tokyo Metropolitan University)  
**On blow-analytic equivalence**

#### June 4th

- 9:45–10:30 Leslie Charles Wilson (University of Hawaii)  
**Limits of Tangent Spaces to Real Surfaces**
- 10:45–11:30 Shoichi Fujimori (Okayama University)  
**Hyperbolic metrics on Riemann surfaces and spacelike mean curvature 1 surfaces in de Sitter 3 space**
- 13:00–13:45 Xiupeng Cui (Northeast Normal University)  
**Inflection points of spacelike submanifolds**
- 14:00–14:45 Mahito Kobayashi (Akita University)  
**Views of the real projective 3-space in the plane**
- 15:15–16:00 Juan Antonio Moya Pérez (Aix-Marseille Université)  
**Topological triviality of families of map germs from  $\mathbb{R}^3$  to  $\mathbb{R}^3$**
- 16:15–17:00 Osamu Saeki (Kyushu University)  
**New examples of non-trivial real Milnor fibrations**

## June 5th

- 9:45–10:30 Bruna Oréface-Okamoto (Federal University of São Carlos)  
**Equisingularity of map germs from a surface to the plane**
- 10:45–11:30 Katsusuke Nabeshima (Tokushima University)  
**Logarithmic vector fields associated with hypersurface isolated singularities and local cohomology**
- 13:00–13:45 Wayne Rossman (Kobe University)  
**TBA**
- 14:00–14:45 Kazuto Takao (Kyushu University)  
**Singularities of the product map of two functions**
- 15:15–17:00 Poster Session

## June 6th

- 9:45–10:30 Roberta Wik-Atique (ICMC, University of Sao Paulo)  
**On symplectic classification of lagrangian stars**
- 10:45–11:30 Takuo Fukuda (Tokyo Institute of Technology)  
**Poisson algebras associated to Generalized Hamiltonian systems**
- 11:45–12:30 Ricardo Uribe-Vargas (Intitut Mathématique de Bourgogne)  
**TBA**

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

Organizer:

Kentaro Saji (Kobe University)

Sponsors:

Kobe University, RIMS, JSPS Kakenhi No. 26287009 (S. Izumiya), 15H03615 (G. Ishikawa), 26400078 (M. Takahashi), 24340007 (T. Ohmoto), 23244008 (O. Saeki), 25800032 (M. Yamamoto), 26400087 (K. Saji), JSPS and CAPES research cooperative program (Nishimura).