

Singularity Theory for Differentiable Maps and Related Topics

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June 5 – 7, 2014

Multi-Purpose Hall, Miyakonojo National College of Technology, Japan

URL: <http://www.kyusan-u.ac.jp/J/kougaku/th/yamamoto/Miyakonojo14.6/index-e.html>

Program

June 5 (Thursday)

9:30 –10:15

Yutaro Kabata (Hokkaido University)

Recognition of map-germs and applications

10:30 –11:15

Masashi Yasumoto (Kobe University)

Discretization of surfaces with singularities

11:30 –12:15

Takashi Nishimura (Yokohama National University)

Aperture of plane curves

13:30 –13:55

Homare Tadano (Osaka University)

Gap theorems for compact gradient Sasaki-Ricci solitons

14:00 –14:25

Shin Satoh (Kobe University)

The state numbers of a knot

14:35 –15:00

Yuta Ogata (Kobe University)

DPW method for CMC surfaces in 3-dimensional Lorentzian spaceforms

15:30 –16:15

Fabien Priziac (Saitama University)

Equivariant blow-Nash equivalence and equivariant zeta functions

16:30 –17:15

Tomonori Fukunaga (Hokkaido University)

Evolutes and Involutives of frontals in the Euclidean plane

17:30 –18:15

Shiota Masahiro (Nagoya University)

Topological version of Artin Approximation theorem

June 6 (Friday)

9:30 –10:15

Cristina Valle (Tokyo Metropolitan University)

On the blow-analytic equivalence of tribranched plane curves

10:30 –11:15

Kota Hattori (Keio University)

Compact special Lagrangian submanifolds embedded in toric hyper-Kähler manifolds

11:30 –12:15

Shoichi Fujimori (Okayama University)

Maximal surfaces with fold singularities in the Lorentz-Minkowski 3-space

13:30 –13:55

Keisuke Teramoto (Kobe University)

Parallel surfaces of cuspidal edges

14:00 –14:25

Yusuke Mizota (Kyushu University)

Is the module of lowerable vector fields finitely generated ?

14:35 –15:00

Shun'ichi Honda (Muroran Institute of Technology)

Framed curves in the Euclidean space

15:05 –15:30

Asahi Tsuchida (Hokkaido University)

Singularity, controllability and observability of port-Hamiltonian systems

16:00 –16:45

Hajime Sato (Nagoya University)

Special Contact Structures and Singular Curves

17:00 –17:45

Takayuki Okuda (Kyushu University)

Splitting of stellar singular fibers and their monodromies

June 7 (Saturday)

9:00 –9:45

Takahiro Noda (Nagoya University & Osaka City University)

Contact geometry of partial differential equations of third order

10:00 –10:45

Kentaro Saji (Kobe University)

Criteria for Morin singularities between different dimensions and its applications

11:00 –11:45

Shinichi Tajima (Tsukuba University)

Vertical monodromy and local cohomology

11:55 –12:20

Shintaro Akamine (Kyushu University)

Causal change of zero mean curvature surfaces of Riemann type in the Lorentz-Minkowski space

13:30 –14:15

Jun-ichi Inoguchi (Yamagata University)

Constant curvature surfaces in the 3-sphere

14:30 –15:15

Toshizumi Fukui (Saitama University)

Contact of a surface with cylinders and cubic binary differential equations (joint work with M. Hasegawa and K. Nakagawa)

15:30 –17:30

free discussion

* We will have a party on the evening of June 6

Organizers :

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