

International Research Network Project “Symmetry, Topology and Moduli”

The 3rd International Workshop

“Geometry of Submanifolds and Integrable Systems”

Umeda Satellite 103, Osaka City University

December 2nd – 6th, 2019

Program

December 2nd, 2019

- 13:30-14:10 **Registration**
- 14:10-14:20 **Opening (Masashi Yasumoto & Yoshihiro Ohnita)**
- 14:20-15:20 Josef Dorfmeister (Technische Universität München, Germany)
A look at integrable surface classes (1)
- 16:00-17:00 Eduardo Mota Sánchez (University College Cork, Ireland)
Unitarising the monodromy of generalised Heun’s Differential Equations

December 3rd, 2019

- 10:00-11:00 Lynn Heller (Leibniz Universität Hannover, Germany)
Isothermic Constrained Willmore Tori in the 3-Sphere (1)
- 11:30-12:00 Tadashi Udagawa (Waseda University, Japan)
Classification of Smyth-potentials in terms of the resulting CMC-immersions,
and applications
- 14:20-15:20 Seiichi Udagawa (Nihon University, Japan)
Affine spheres and finite gap solutions of Tzitzéica equation (1)
- 16:00-17:00 Thomas Raujouan (Université de Tours, France)
Construction of embedded n -noids in hyperbolic space
- 18:30- **Banquet**

December 4th, 2019

- 10:00-11:00 Seiichi Udagawa (Nihon University, Japan)
Affine spheres and finite gap solutions of Tzitzéica equation (2)
- 11:30-12:30 Josef Dorfmeister (Technische Universität München, Germany)
A look at integrable surface classes (2)
- 14:20- **Free Discussion**

December 5th, 2019

- 10:00-11:00 Hiroki Fujino (Nagoya University, Japan)
Duality of boundary value problems of minimal and maximal surfaces
- 11:30-12:00 Yuichi Kuno (International Christian University, Japan)
The open tt^* -Toda equation and an explicit formula for Iwasawa factorization
- 14:20-15:20 Lynn Heller (Leibniz Universität Hannover, Germany)
Isothermic Constrained Willmore Tori in the 3-Sphere (2)
- 16:00-17:00 Luis Pedro Castellanos Moscoso (Osaka City University, Japan)
A classification of left-invariant symplectic structures on some Lie groups

December 6th, 2019

- 10:00-11:00 Seiichi Udagawa (Nihon University, Japan)
Affine spheres and finite gap solutions of Tzitzéica equation (3)
- 11:30-12:30 Lynn Heller (Leibniz Universität Hannover, Germany)
Isothermic Constrained Willmore Tori in the 3-Sphere (3)
- 14:20-14:50 Kazumi Tsukada (Ochanomizu University, Japan)
Lagrangian submanifolds of S^6 and the associative Grassmann manifold
- 15:10-16:10 Josef Dorfmeister (Technische Universität München, Germany)
A look at integrable surface classes (3)
- 16:10- **Closing**