

International Conference

March 12th – 13th, 2022

Free Discussion

March 14th, 2022

- 11:00-11:20 **Opening Address**
Senjo Shimizu (Kyoto University, president of MSJ)
Yoshihiro Ohnita (Osaka City University, chair of The 13th MSJ-SI)
- 11:20-12:20 Takuro Mochizuki (RIMS Kyoto University, Japan)
Harmonic metrics of cyclic Higgs bundles over non-compact surfaces
- 14:20-15:20 Kotaro Kawai (Gakushuin University, Japan)
Deformed Donaldson-Thomas connections
- 16:00-17:00 Hikaru Yamamoto (University of Tsukuba, Japan)
An example of the noncompact Yamabe flow having the
infinite time incompleteness
- 17:20-18:20 Lynn Heller (Leibniz Universität Hannover, Germany)
Complete families of high genus CMC surfaces in the 3-sphere

March 15th, 2022

- 10:00-11:00 Robert Kusner (UMass Amherst, USA)
Recent progress on the Canham and Willmore problems: Part II
- 11:20-12:20 Charles Ouyang (UMass Amherst, USA)
Compactification of the $SL(3, \mathbb{R})$ -Hitchin component
- 14:20-15:20 Yasuyuki Nagatomo (Meiji University, Japan)
Symmetric Kähler immersions into the complex Grassmannian
- 16:00-17:00 Hui Ma (Tsinghua University, China)
On Lagrangian surfaces in complex projective plane
- 17:20-18:20 Josef Dorfmeister (Technische Universität München)
Willmore surfaces in spheres via the loop group method

March 16th, 2022

- 10:00-11:00 Michael Wolf (Rice University, USA)
Degenerating families of affine spheres and minimal maps to buildings
- 11:20-12:20 Toru Kajigaya (Tokyo University of Science, Japan)
Uniformizing surfaces via discrete harmonic maps
- 12:20- **Free Discussion**

March 17th, 2022

- 17:30-18:30 Takashi Otofujii (Nihon University, Japan)
Positive energy representations of affine algebras and Stokes matrices of the tt^* -Toda equations: Part II
- 18:50-19:50 Fran Burstall (University of Bath, UK)
Isothermic surfaces, Bianchi permutability and determinants

March 18th, 2022

- 10:00-11:00 Franz Pedit (UMass Amherst, USA)
SYZ conjecture and Higgs bundles
- 11:20-12:20 Parker Evans (Rice University, USA)
Asymptotic geometry of planar almost-complex curves in the pseudosphere $S^{2,4}$
- 16:10-17:10 Masashi Yasumoto (IMI Kyushu University, Japan)
Construction of discrete surfaces via integrable systems approach: Part II
- 17:30-18:30 Martin Traizet (Université de Tours, France)
On the area of Lawson minimal surfaces in the 3-sphere
- 18:50-19:50 Ulrich Pinkall (Technische Universität Berlin, Germany)
Plasma physics in Riemannian manifolds

March 19th, 2022

- 14:30-15:30 Katrin Leschke (University of Leicester, UK)
Darboux transforms of CMC revisited
- 16:10-17:10 Iskander Taimanov (Novosibirsk State University, Russia)
Formation of singularities of 2D soliton equations represented by $L; A; B$ -triples
- 17:30-18:30 Sebastian Heller (Leibniz Universität Hannover, Germany)
Parabolic bundles, Fuchsian systems, and the existence of DPW potentials
- 18:50-19:50 Nigel Hitchin (University of Oxford, UK)
New aspects of the Hitchin system
- 19:50-20:00 **Closing Address**
Yoshihiro Ohnita (Osaka City University)

March 20th – 21st, 2022

Free Discussion & Departure of domestic participants