

Geometry of Moduli Space of Low Dimensional Manifolds

January 7–10, 2019

Room 420, RIMS, Kyoto University

Access: <http://www.kurims.kyoto-u.ac.jp/en/access-01.html>

Program

Monday, January 7

- 9:50–10:50 **Dragomir Saric** (City University of New York)
“Understanding circle homeomorphisms
using hyperbolic geometry I ”
- 11:00–12:00 **Dragomir Saric** (City University of New York)
“Understanding circle homeomorphisms
using hyperbolic geometry II ”
- 13:30–14:30 **Jingyi Chen** (University of British Columbia)
“Extendability of conformal structures on punctured surfaces I”
- 14:40–15:40 **Jingyi Chen** (University of British Columbia)
“Extendability of conformal structures on punctured surfaces II”

Tuesday, January 8

- 9:50–10:50 **Inkang Kim** (Korea Institute of Advanced Study)
“Introduction to Teichmüller space”
- 11:00–12:00 **Inkang Kim** (Korea Institute of Advanced Study)
“Plurisubharmonicity and geodesic convexity
of energy function on Teichmüller space”
- 13:30–14:30 **Atsushi Katsuda** (Kyushu University)
“Nilpotent groups, Closed geodesics and Heat kernels I ”
- 14:40–15:40 **Atsushi Katsuda** (Kyushu University)
“Nilpotent groups, Closed geodesics and Heat kernels II”

Wednesday, January 9

- 9:50–10:50 **Jui-En Chang** (National Taiwan University)
“The bounds of Hausdorff measure of nodal sets”
- 11:00–12:00 **Jui-En Chang** (National Taiwan University)
“The uniqueness of self-shrinking networks with 2 closed regions”
- 13:30–14:30 **Harry Baik** (Korea Advanced Institute of Science and Technology)
“Mapping class groups via group actions I”
- 14:40–15:40 **Harry Baik** (Korea Advanced Institute of Science and Technology)
“Mapping class groups via group actions II”

Thursday, January 10

- 9:50–10:50 **Yi Huang** (Yau Mathematical Sciences Center, Tsinghua University)
“Geodesics on hyperbolic surfaces I ”
- 11:00–12:00 **Yi Huang** (Yau Mathematical Sciences Center, Tsinghua University)
“Geodesics on hyperbolic surfaces II ”
- 13:30–14:30 **Chikako Mese** (Johns Hopkins University)
“Harmonic maps and geometric rigidity I”
- 14:40–15:40 **Chikako Mese** (Johns Hopkins University)
““Harmonic maps and geometric rigidity II”

Supported in part by
JSPS Grant-in-aid for Scientific Research No.17H01091