

# Geometry of Moduli Space of Low Dimensional Manifolds

November 5–8, 2013

Room 111, RIMS, Kyoto University

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

## Program

Tuesday, November 5

- 9:30-10:30 Feng Luo (Rutgers University)  
“A discrete uniformization theorem for  
polyhedral surfaces I”
- 10:40–11:40 Feng Luo (Rutgers University)  
“A discrete uniformization theorem for  
polyhedral surfaces II”
- 13:10–14:10 Takao Yamaguchi (University of Tsukuba )  
“Collapsing three-dimensional Alexandrov spaces I”
- 14:20–15:20 Takao Yamaguchi (University of Tsukuba )  
“Collapsing three-dimensional Alexandrov spaces II”
- 15:40–16:40 Chikako Mese (Johns Hopkins University)  
“Harmonic maps in rigidity problems I”

Wednesday, November 6

- 9:30-10:30 Chikako Mese (Johns Hopkins University)  
“Harmonic maps in rigidity problems II”
- 10:40–11:40 Moon Duchin (Tufts University)  
“Geometric properties of Teichmüller geodesics I”
- 13:10-14:10 Moon Duchin (Tufts University)  
“Geometric properties of Teichmüller geodesics II”
- 14:20-15:20 Scott Wolpert (University of Maryland)  
“ $\mathrm{PSL}(n; \mathbb{R})$  surface group representations  
and projective twist-bulge deformations I”
- 15:40–16:40 Scott Wolpert (University of Maryland)  
“ $\mathrm{PSL}(n; \mathbb{R})$  surface group representations  
and projective twist-bulge deformations II”

Thursday, November 7

- 9:30-10:30 Athanase Papadopoulos (University of Strasbourg)  
“Non-Euclidean trigonometry I”
- 10:40-11:40 Athanase Papadopoulos (University of Strasbourg)  
“Non-Euclidean trigonometry II”
- 13:10-14:10 Masahiko Kanai (University of Tokyo)  
“Cross ratio and its folks in geometry and dynamics I”
- 14:20-15:20 Masahiko Kanai (University of Tokyo)  
“Cross ratio and its folks in geometry and dynamics II”
- 15:40-16:40 Hiroki Sumi (Osaka University)  
“ A Brief Introduction to Complex Dynamics”

Friday, November 8

- 9:30-10:30 Hiroki Sumi (Osaka University)  
“Negativity of Lyapunov Exponents in Generic Random  
Dynamical Systems of Complex Polynomials”
- 10:40-11:40 Narutaka Ozawa (Kyoto University)  
“Coarse geometry of discrete groups and applications I”
- 13:10-14:10 Narutaka Ozawa (Kyoto University)  
“Coarse geometry of discrete groups and applications II”
- 14:20-15:20 Lizhen Ji (University of Michigan)  
“Teichmüller spaces and tropical geometry I”
- 15:40-16:40 Lizhen Ji (University of Michigan)  
“Teichmüller spaces and tropical geometry II”

Supported in part by JSPS Grant-in-aid for Scientific Research  
No.22244005 クライン群とタイヒミュラー空間の大域幾何的研究  
(基盤研究(A) 代表者：大鹿健一)  
No.24340009 低次元多様体モジュライ空間の新展開  
(基盤研究(B) 代表者：山田澄生)  
No.23654061 宇宙検閲官仮説を巡る幾何解析  
(挑戦的萌芽研究 代表者：山田澄生)