Geometry of Moduli Space of Low Dimensional Manifolds

December 8–12, 2014
Room 420, RIMS, Kyoto University

Program

Monday, December 8

9:30-10:30 Richard Schoen (UC Irvine/Stanford)
“Some moduli spaces arising in general relativity I”
10:40–11:40 Richard Schoen (UC Irvine/Stanford)
“Some moduli spaces arising in general relativity II”
13:10–14:10 Takumi Yokota (Kyoto University)
“TBA”
14:20–15:20 Shin Nayatani (Nagoya University)
“Superrigidity via discrete harmonic maps and nonlinear spectral gaps I”
15:30–16:30 Shin Nayatani (Nagoya University)
“Superrigidity via discrete harmonic maps and nonlinear spectral gaps II”

Tuesday, December 9

9:30-10:30 Shinobu Hosono (University of Tokyo)
“Mirror symmetry, Fourier-Mukai partners, and Moduli spaces of Calabi-Yau manifolds I”
10:40–11:40 Shinobu Hosono (University of Tokyo)
“Mirror symmetry, Fourier-Mukai partners, and Moduli spaces of Calabi-Yau manifolds II”
13:10-14:10 Yoshifumi Matsuda (Aoyama Gakuin University)
“Bounded Euler number of actions of 2-orbifold groups on the circle”
14:20-15:20 Gabriela Weitze-Schmithüsen (Karlsruhe Technical Institute)
“Origami curves in moduli space I”
15:30–16:30 Gabriela Weitze-Schmithüsen (Karlsruhe Technical Institute)
“Origami curves in moduli space II”
Wednesday, December 10

9:30-10:30 Yng-Ing Lee (National Taiwan University)
“The moduli space of special Lagrangians and related results I”

10:40–11:40 Yng-Ing Lee (National Taiwan University)
“The moduli space of special Lagrangians and related results II”

11:50-12:50 Tadashi Ishibe (University of Tokyo)
“A generalization of the theory of Artin groups”

Thursday, December 11

9:30-10:30 Hiroshige Shiga (Tokyo Institute of Technology)
“Complex analytic properties of deformation spaces of Kleinian groups I”

10:40–11:40 Hiroshige Shiga (Tokyo Institute of Technology)
“Complex analytic properties of deformation spaces of Kleinian groups II”

13:10-14:10 Yoshihiro Umehara (Tohoku University)
“Cotton tensor and conformal deformations of three-dimensional Ricci flow”

14:20-15:20 John Loftin (Rutgers University)
“TBA”

15:30–16:30 John Loftin (Rutgers University)
“TBA”

Friday, December 12

9:30-10:30 Nobuhiko Ohtoba (Keio University)
“Metrics of constant scalar curvature on bundles with fiber a rotationally symmetric sphere”

10:40–11:40 Ser Peow Tan (National University of Singapore)
“Identities on moduli spaces and other varieties I”

11:50-12:50 Ser Peow Tan (National University of Singapore)
“Identities on moduli spaces and other varietie 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：大塚健一)
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)