Advances in Teichmüller Theory

February 4 - 8, 2013

Organized by: Louis Funar, Athanase Papadopoulos and Bob Penner

- **Monday, February 4, 2013**
  09:00 – 9:30 Opening & Registration
  9:30 – 10:25 Norbert A'Campo
  Ideal triangulations and variation of the complex structure by monodromy
  10:25 – 11:20 Hugo Parlier
  Relative shapes of thick subsets of moduli space
  11:20 – 11:35 Coffee break
  11:35 – 12:30 Javier Aramayona
  Finite rigid sets in curve complexes
  12:30 – 14:00 lunch break
  14:00 – 15:00 Gabriele Mondello
  Abelian differentials on curves of genus 3

- **Tuesday, February 5, 2013**
  09:10 – 10:10 Ursula Hamenstädt
  The Teichmüller flow near the boundary of strata
  10:10 – 10:30 Coffee break
  10:30 – 11:30 Nariya Kawazumi
  The Goldman-Turaev Lie bialgebra and the largest Torelli group
  11:30 – 12:30 Robin de Jong
  On the Kawazumi-Zhang invariant of a compact Riemann surface
  12:30 – 14:00 lunch break
  14:00 – 15:00 Matti Vuorinen
  Teichmüller's problem in space

- **Wednesday, February 6, 2013**
  09:10 – 10:10 Scott Wolpert
  Products of twists, geodesic-lengths and Thurston shears
  10:10 – 10:30 Coffee break
  10:30 – 11:30 John Loftin
  Minimal Lagrangian surfaces in CH^2
  11:30 – 12:30 Muhammed Uludag
  Binary quadratic forms as dessins
  12:30 – 14:00 lunch break
  14:00 – 15:00 Katsuhiko Matsuzaki
  Rigidity of groups of circle diffeomorphisms and Teichmüller spaces

- **Thursday, February 7, 2013**
  09:10 – 10:10 David Dumas
  Convex polygons, complex polynomials, and hyperbolic affine spheres
  10:10 – 10:30 Coffee break
  10:30 – 11:30 Dick Canary
  A pressure metric for the Hitchin component
  11:30 – 12:30 Martin Bridgemann
  Moments of the boundary hitting function for geodesic flow
  12:30 – 14:00 lunch break
  14:00 – 15:00 Inkang Kim
  Compactification of real projective and AdS^3 geometry

- **Friday, February 8, 2013**
  09:10 – 10:10 Carl Friedrich Bödigheimer
  Homology Operations for Moduli Spaces
  10:10 – 10:30 Coffee break
  10:30 – 11:30 Kasra Rafi
  Large scale rank in Geometric Topology
  11:30 – 12:30 Ser Peow Tan
  A dilogarithm identity on moduli spaces of curves
  12:30 – 14:00 lunch break
  14:00 – 15:00 William Goldman
  Complete affine 3-manifolds, Lorentzian and hyperbolic geometry

All lectures as well as the opening & registration take place in the ESI Boltzmann Lecture Hall