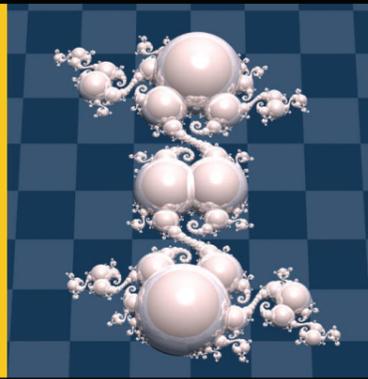


Geometry, Topology and Dynamics of Character Varieties

18 Jun—15 Aug 2010



Overview

Character varieties lie at the confluence of many important areas of mathematics including algebraic geometry, hyperbolic geometry, Kleinian groups, Teichmüller theory, three dimensional topology, dynamical systems, gauge theory, and number theory. The program will bring together leading experts from these different backgrounds to explain their subjects and explore connections between them. An important focus will be introducing graduate students and young researchers to background ideas and current work. Participants will also have the opportunity to explore their ideas interactively with computer experts.

Activities

Summer school: 28 June - 16 July 2010

The core of the summer school will be several series of tutorial lectures on the topics of the program. Students and young postdocs from around the world, especially from developing countries in Asia, are invited to participate.

Workshop: 19 July - 30 July 2010 (An ICM Satellite Conference)

A series of survey talks by senior experts, complemented with shorter talks by other participants, will outline new and interesting directions for research. We hope all participants will have the opportunity to present their work. Computer experimentation will be a significant part of the program, and the workshop will also include computer demonstrations.

Conference: 10 August - 14 August 2010 (An ICM Satellite Conference)

Leading experts from around the world will speak on the main topics of the program.

Organizing Committee

Co-chairs

William Goldman (University of Maryland)
Caroline Series (University of Warwick)
Ser Peow Tan (National University of Singapore)

Members

- Javier Aramayona (NUI, Galway)
- Craig Hodgson (The University of Melbourne)
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<http://www2.ims.nus.edu.sg/Programs/010geometry/index.php>

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* Pictures are courtesy of Yasushi Yamashita