WMI

Aspects of Hyperbolicity in Geometry, Topology and Dynamics

A workshop and celebration of Caroline Series' 60th birthday

All talks will take place in Room MS.02, Mathematics Institute

Monday 25th July

08:45   Registration in Room B1.37

09:30   **Jean-Marc Schlenker** (Toulouse)
A cyclic extension of the earthquake flow

10:30   Coffee in the Mathematics Institute Common Room

11:00   **Kasra Rafi** (Oklahoma)
Hyperbolicity in Teichmüller space

12:00   Lunch in the Street, Mathematics Institute

13:30   **David Dumas** (UIC)
Holonomy of projective structures and flat surfaces in hyperbolic space

14:40   **Jack O. Button** (Cambridge)
Establishing largeness for a family of closed hyperbolic 3-manifolds

15:40   Tea in the Mathematics Institute Common Room

16:15   **Jeffrey Brock** (Brown)
The Weil-Peterson metric on Teichmuller space, and the geometry of hyperbolic 3-manifolds

17:15   Reception in the Mathematics Institute Common Room

Tuesday 26th July

09:30   **Bill Goldman** (Maryland)
Deformation spaces of 3-dimensional affine space forms

10:30   Coffee in the Mathematics Institute Common Room

11:00   **Corinna Ulcigrai** (Bristol)
Ergodicity in Z-covers of translation surfaces

12:00   Lunch in the Street, Mathematics Institute

13:30   **Vaibhav Gadre** (Harvard)
Hitting measures on the Thurston boundary

14:40   **Hideki Miyachi** (Osaka)
Limits of geodesic rays and non-visible points of Teichmüller space

15:40   Tea in the Mathematics Institute Common Room

16:15   Problem Session

18:30   Banquet in the Street, Mathematics Institute

Wednesday 27th July

09:30   **Dick Canary** (Michigan)
Dynamics on character varieties

10:30   Coffee in the Mathematics Institute Common Room

11:00   **Frédéric Paulin** (Paris-Sud)
On the hyperbolic geometry of binary Hamiltonian forms

12:00   Lunch in the Street, Mathematics Institute

13:30   **Ken Bromberg** (Utah)
Bounded cohomology for groups with hyperbolic actions

14:40   **Makoto Sakuma** (Hiroshima)
Simple loops on 2-bridge spheres in 2-bridge link complements

15:40   Tea in the Mathematics Institute Common Room

16:15   **Steve Kerckhoff** (Stanford)
Hyperbolic and AdS geometry in dimension 3

*If you have any questions during the workshop
please see either Hazel Higgens or Yvonne Collins
in the MRC, Room B1.37 opposite the Common Room*

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