

2017-2018 Warwick EPSRC Symposium

Computation in geometric topology

11-15 December 2017

WARWICK
THE UNIVERSITY OF WARWICK

EPSRC

Engineering and Physical Sciences
Research Council

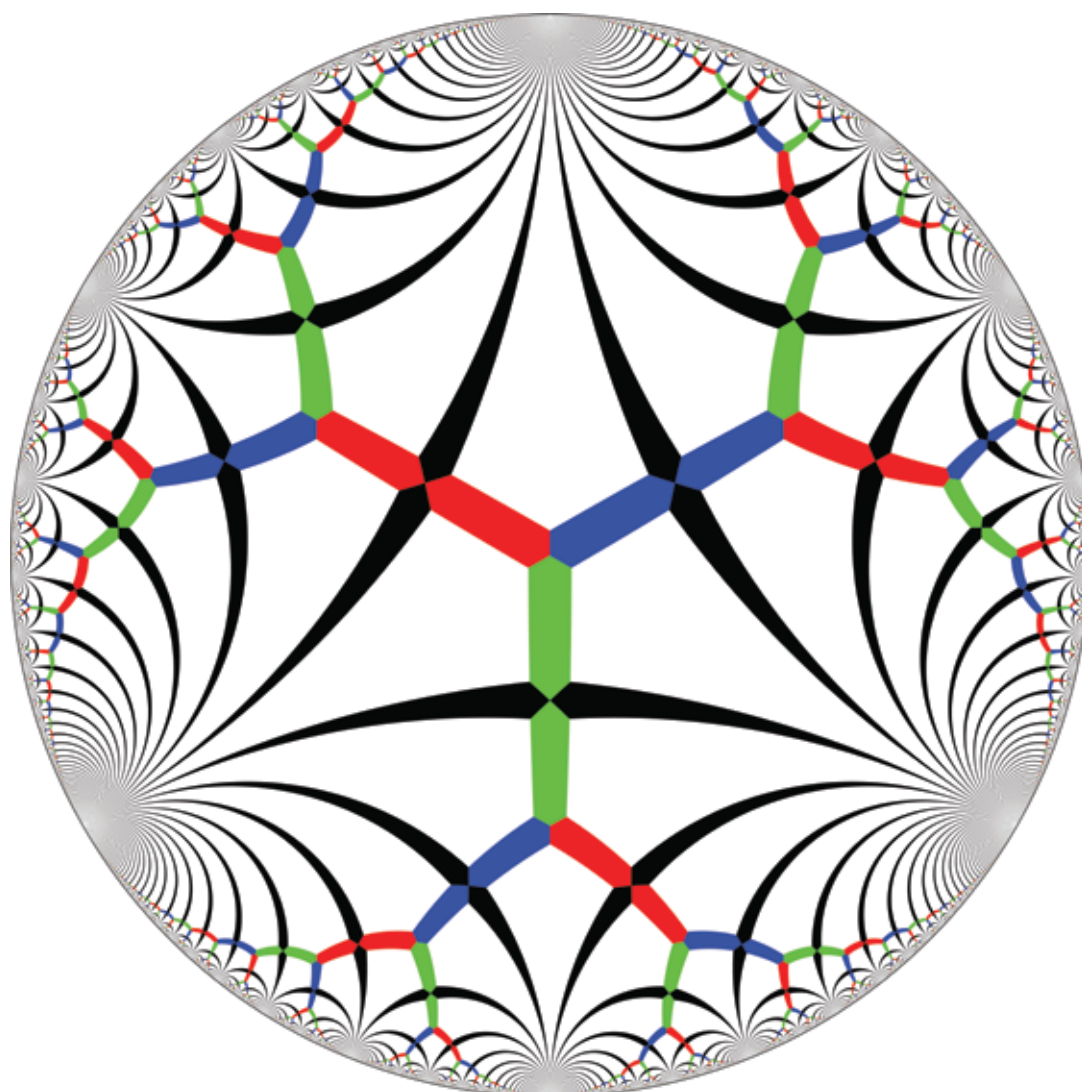


Image by Roice Nelson [<http://roice3.org/>]

	Monday	Tuesday	Wednesday	Thursday	Friday
9:30-10:30	Tiozzo	Martelli	Demonstrations	de Mesmay	Series
11:00-12:00	Bell	Hironaka	Problem session	Samperton	Sivek
14:30-15:30	Delecroix	Culler	Working groups	Worden	Burton
16:00-17:00	Purcell	Guilloux	Working groups	Owens	Chéritat

For further information on events at the Mathematics Institute, see: go.warwick.ac.uk/mathsevents
or contact: Mathematics Research Centre, Zeeman Building, University of Warwick, Coventry CV4 7AL, UK
E-mail: mrc@maths.warwick.ac.uk Phone: +44(0)24 7652 2681

Detailed Programme

All lectures will be held in Room B3.03, Zeeman Building;
all meals will be in the Mathematics Common Room, Zeeman Building

Monday

- 09:30-10:30 **Giulio Tiozzo** (Toronto) *Counting loxodromic elements*
10:30-11:00 Coffee in the Mathematics Common Room
11:00-12:00 **Mark Bell** (Warwick) *The conjugacy problem for $Mod(S)$*
12:00-14:00 Lunch in the Mathematics Common Room
14:30-15:30 **Vincent Delecroix** (Bordeaux) *Is there an algorithm for proving minimality of surface foliations?*
15:30-16:00 Tea in the Mathematics Common Room
16:00-17:00 **Jessica Purcell** (Monash) *Effective geometry and thin tubes*
18:00 Dinner in the Mathematics Common Room

Tuesday

- 09:30-10:30 **Bruno Martelli** (Pisa) *Shadow complexity of smooth closed four-manifolds*
10:30-11:00 Coffee in the Mathematics Common Room
11:00-12:00 **Eriko Hironaka** (Florida, AMS) *Directed train tracks for fibered hyperbolic manifolds*
12:00-14:00 Lunch in the Mathematics Common Room
14:30-15:30 **Marc Culler** (UIC) *Computing A -polynomials*
15:30-16:00 Tea in the Mathematics Common Room
16:00-17:00 **Antonin Guilloux** (Curie) *Volume function on character varieties*
18:00 Dinner in the Mathematics Common Room

Wednesday

- 09:30-10:30 Demos
10:30-11:00 Coffee in the Mathematics Common Room
11:00-12:00 Working Groups
12:00-14:00 Lunch in the Mathematics Common Room
14:30-15:30 Working Groups
15:30-16:00 Tea in the Mathematics Common Room
16:00-17:00 Working Groups

Thursday

- 09:30-10:30 **Arnaud de Mesmay** (CNRS) *Hard embedding problems in three dimensions*
10:30-11:00 Coffee in the Mathematics Common Room
11:00-12:00 **Eric Samperton** (UC Davis) *Computational complexity and three-manifolds and zombies*
12:00-14:00 Lunch in the Mathematics Common Room
14:30-15:30 **William Worden** (Temple) *Experimental statistics of veering triangulations*
15:30-16:00 Tea in the Mathematics Common Room
16:00-17:00 **Brendan Owens** (Glasgow) *A computer search for ribbon alternating links*
18:00 Dinner in the Mathematics Common Room

Friday

- 09:30-10:30 **Caroline Series** (Warwick, LMS) *The suggestive power of pictures*
10:30-11:00 Coffee in the Mathematics Common Room
11:00-12:00 **Steven Sivek** (Imperial) *On the complexity of torus knot recognition*
12:00-14:00 Lunch in the Mathematics Common Room
14:30-15:30 **Benjamin Burton** (Queensland) *Topology on tiny machines: logspace and finite-state complexity*
15:30-16:00 Tea in the Mathematics Common Room
16:00-17:00 **Arnaud Chéritat** (Toulouse) *Raster rendering for kleinian groups*

Please contact the MRC (B1.37, Zeeman Building) for information about accommodation and reimbursements.