

## Random Shapes Tutorials

**Tuesday March 13, 2007**

- 8:00–9:00 *Check-In/Light Breakfast (Hosted by IPAM)*
- 9:00–12:00 *Welcome and Opening Remarks*
- 9:00–10:00 **Ilia Binder** (University of Toronto)  
*SLE I*
- 10:00–10:15 *Break*
- 10:15–11:15 **Ilia Binder** (University of Toronto)  
*SLE II*
- 11:15–11:30 *Break*
- 11:30–12:30 **Denis Bernard** (École Normale Supérieure)  
*Conformal Field Theory I*
- 12:30–2:00 *Lunch (on your own)*
- 2:00–2:30 *Core Orientation with IPAM Staff*
- 2:30–3:30 **Denis Bernard** (École Normale Supérieure)  
*Conformal Field Theory II*
- 3:30–4:00 *Break*
- 4:00–5:00 **Elchanan Mossel** (University of California, Berkeley (UC Berkeley))  
*Probability theory on graphs, discrete aggregation, networks I*

**Wednesday March 14, 2007**

- 8:00–9:00 *Breakfast (Hosted by IPAM)*
- 9:00–10:00 **Francois Meyer** (University of Colorado, Boulder)  
*Brain Imaging I*
- 10:00–10:15 *Break*
- 10:15–11:15 **Francois Meyer** (University of Colorado, Boulder)  
*Brain Imaging II*
- 11:15–11:30 *Break*

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- 11:30–12:30 **Bernard Sapoval** (École Polytechnique)  
*Laplacian transport towards irregular surfaces: the physics and applications*
- 12:30–2:00 *Lunch (on your own)*
- 2:00–12:00
- 2:00–3:00 **Denis Grebenkov** (Seconda Università di Napoli)  
*Laplacian transport towards irregular surfaces: the mathematics*
- 3:00–3:30 *Break*
- 3:30–4:30 **Elchanan Mossel** (University of California, Berkeley (UC Berkeley))  
*Probability theory on graphs, discrete aggregation, networks II*
- 4:30–6:00 *Reception (Location: IPAM Lobby)*

### Thursday March 15, 2007

- 8:00–9:00 *Breakfast (Hosted by IPAM)*
- 9:00–10:00 **Krzysztof Burdzy** (University of Washington)  
*Brownian Motion I*
- 10:00–10:15 *Break*
- 10:15–11:15 **Krzysztof Burdzy** (University of Washington)  
*Brownian Motion II*
- 11:15–11:30 *Break*
- 11:30–12:30 **Bernard Sapoval** (École Polytechnique)  
*Irregular and random resonators properties and practical applications*
- 12:30–2:00 *Lunch (on your own)*
- 2:00–3:00 **Ilya Gruzberg** (University of Chicago)  
*Random Growth, SLE I*
- 3:00–3:30 *Break*
- 3:30–4:30 **Ilya Gruzberg** (University of Chicago)  
*Random Growth, SLE II*

## Friday March 16, 2007

- 8:00–9:00 *Continental Breakfast*
- 9:00–10:00 **Richard Kenyon** (University of British Columbia)  
*Discrete Geometry + Probability I*
- 10:00–10:15 *Break*
- 10:15–11:15 **Richard Kenyon** (University of British Columbia)  
*Discrete Geometry and Probability II*
- 11:15–11:30 *Break*
- 11:30–12:30 **Peter Jones** (Yale University)  
*Random Quasi Conformal Mapping*
- 12:30–2:00 *Lunch (on your own)*
- 2:00–3:00 **Peter Jones** (Yale University)  
*Introduction to Diffusion Geometry*

