

# Scientific Advisory Board Meeting of the Finnish Centre of Excellence in Analysis and Dynamics Research

24–25 May 2012  
University of Helsinki

## Scientific program

Thursday 24 May, Exactum CK112

- 10:30 – 11:00 **Vesa Ala-Mattila:** Geometric characterizations for Patterson-Sullivan measures of geometrically finite Kleinian groups
- 11:00 – 11:30 **Risto Hovila:** Singularity of projections of 2-dimensional measures invariant under the geodesic flow
- 11:30 – 12:00 **Jarmo Jääskeläinen:** On linear and nonlinear Beltrami systems
- lunch break
- 13:15 – 13:45 **Robert Service:** Independent particles for general Markov processes
- 13:45 – 14:15 **Matti Vihola:** Stability of adaptive Markov chain Monte Carlo and stochastic approximation
- break
- 14:45 – 15:15 **Henna Koivusalo:** Affine random covering sets in torus
- 15:15 – 15:45 **Antti Perälä:** Hankel operators on Fock spaces
- 15:45 – 16:15 **Miika Nikula:** Phases of multiplicative cascades

Friday 25 May, Exactum

### **Administrative meeting:**

10:30 – 12:00 Administrative meeting in Exactum, A118

Participants:

*SAB*: Karl Sigmund, Peter Jones, (Jean-Pierre Eckmann)

*Academy of Finland*: Mikael Lindström, Samuli Hemming

*CoE*: Antti Kupiainen, Kari Astala, Mats Gyllenberg, Pertti Mattila,  
Eero Saksman, Esa Järvenpää, Maarit Järvenpää, Stefan Geritz, Eva  
Kisdi, Jani Lukkarinen, Paolo Muratore-Ginanneschi

lunch break

### **CoE seminar in Exactum, D123:**

13:15 – 14:15 **Kari Vilonen**: Hodge theory and real groups