Submittee: Takashi Kumagai
Date Submitted: 2013-08-07 18:27
Title: Recent Trends in Stochastic Analysis
Event Type: Conference-Workshop

Location:
Earth Science Building (ESB), the University of British Columbia

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Dates:
July 22-26, 2013

Topic:
Probability Theory

Methodology:
All the lectures were invited and plenary. 25 lectures were given.

Objectives Achieved:
Leaders of stochastic analysis gathered all over the world and gave the most advanced lectures. Contributions of Martin Barlow and Ed Perkins to modern stochastic analysis were presented. Considerable numbers of young scientists participated and learned recent progress of stochastic analysis.

Scientific Highlights:
Throughout the conference, one could overview recent trends on stochastic analysis. Especially, topics on random media (such as branching random walk, random walk on the cluster of a percolation, random conductance model, random interlacements, loop erased random walk), measure valued processes, stochastic partial differential equations, fine properties of Brownian motion and related processes were discussed. Properties of one model were investigated from various points of view, for example, properties of harmonic measures on critical branching process were discussed by Le Gall and the scaling limit of the random walk traced on the backbone was discussed by Ben Arous. They may bring new collaborations in a future.

Organizers:
Evans Steven N. (Department of Statistics, University of California, Berkeley), Hambly Ben M. (Mathematical Institute, University of Oxford) and Kumagai Takashi (RIMS, Kyoto University) Local Organizers: Nachmias Asaf and Slade Gordon (both Department of Mathematics, UBC)

Speakers:
This information is all available at:
http://www.pims.math.ca/files/Stochastic_Program_Full-_V8_Ju19_1.pdf Speaker abstracts are
included in the uploaded file as well.

Links:
http://www.pims.math.ca/scientific-event/130722-rtsac

Comments / Miscellaneous:
One minor problem that can be improved easily: It was hard to find out the form of the Final report. (I
could only find it out in the file that I received when the submission was successful.) It would be very
helpful if there is a link to the form from the organizer's account.

File Uploads:
Additional Upload 1: http://www.pims.math.ca/files/final_report/abstracts_7.pdf

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