Submittee: Matthew Greenberg
Date Submitted: 2011-09-22 14:13
Title: Analytic aspects of L-functions
Event Type: Conference-Workshop

Location:
University of Calgary

Dates:
May 29-June 3, 2011

Topic:
Current trends in analytic number theory emphasizing the role of L-functions

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Methodology:
This well-received workshop gathered 75 participants from North America, Europe, and Asia, from advanced undergraduates through senior faculty. The workshop featured lecture series by three number theory celebrities: Random matrix theory by Brian Conrey (AIM), Artin L-functions by Ram Murty (Queens), and Moments of zeta functions by Kanaan Soundararajan (Stanford). In their lectures, these experts succeeded in blending exposition at the graduate student level with emphasis on contemporary themes and state-of-the-art results in the field. These lecture series were complemented by invited talks by many researchers with international reputation in addition to a selection of contributed talks.

Objectives Achieved:
* dissemination of recent advances in research * lively discussion between researchers * lots of interaction between senior scientists and graduate students * clear exposition of background material for graduate students

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Scientific Highlights:
* Soundararajan's theorems concerning moments of L-functions * Conrey's discussion of "the recipe" for making conjectures regarding averages of L-functions * Murty's results on the transcendental nature of special values of L-functions

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Organizers:
Akbary, Amir, Mathematics and Computer Science, University of Lethbridge Greenberg, Matthew, Mathematics and Statistics, University of Calgary Martin, Greg, Mathematics, University of British Columbia

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Speakers:
Please see attached.

Links:
http://www.cs.uleth.ca/~akbary/L-functionsCRGConference.html

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

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