

Submittee: Renate Scheidler

Date Submitted: 2016-07-16 16:24

Title: 14th Conference of the Canadian Number Theory Association (CNTA XIV)

Event Type: Conference-Workshop

Location:

University of Calgary (Alberta, Canada)

Dates:

June 20-24, 2016

Topic:

Number Theory

Methodology:

7 plenary lectures

1 Ribenboim Prize winner lecture

19 invited lectures

67 contributed talks

6 posters

The conference also included a special session honouring Richard Guy, on the occasion of his 100th birthday. This special session featured 2 additional plenary speakers, 3 additional invited speakers, and a public lecture that was video-taped and is now posted on Mathtube.org.

Objectives Achieved:

The Canadian Number Theory Association (CNTA) aims to enhance and promote learning and research in number theory, particularly in Canada. The bi-annual CNTA meetings are among the largest number theory conferences world-wide. CNTA 2016 had 172 attendees, with 106 active contributors to the scientific program.

The conference showcased the latest developments in the field and attracted researchers and students from across the globe, with the additional aim of exposing junior researchers to cutting-edge research in the field. Over half the participants were postdocs and graduate students, and the vast majority of contributed talks as well as the six posters were delivered by that demographic. 29 junior participants also attended the summer school on explicit methods for abelian varieties hosted by the PIMS CRG of the same name at the University of Calgary just prior to the conference (6 additional summer school participants were unable to stay on for CNTA).

A special session devoted to Richard Guy celebrated the outstanding and numerous contributions to number theory by this most remarkable researcher and educator. This session included a public lecture that generated excellent publicity for the field of mathematics, the University of Calgary, and the conference sponsors (including PIMS).

Scientific Highlights:

The conference featured plenary lectures by world class number theorists, including 2014 Fields medalist Manjul Bhargava, and a substantial number of invited speakers of outstanding scientific caliber. A special lecture was given by the winner of the 2016 Ribenboim Prize for Distinguished Research in Number Theory Jacob Tsimerman.

Of particular note is the stellar quality of the talks in the special session celebrating Richard Guy's 100-th birthday. The public lecture, entitled "The life and numbers of Richard Guy" and delivered by renowned number theorist Hugh Williams, showcased the life and work of one of Canada's most celebrated mathematicians.

Organizers:

Bauer, Mark, Department of Mathematics & Statistics, University of Calgary

Jacobson, Jr., Michael John, Department of Computer Science, University of Calgary

Scheidler, Renate, Department of Mathematics & Statistics and Department of Computer Science, University of Calgary

Speakers:

The conference schedule, including speakers and titles, can be found on pages 3-10 of the conference program uploaded with this report. Abstracts of all talks and posters are listed on pages 11-39. A list of all contributors, including speakers, poster presenters, the scientific committee, the Ribenboim Prize section committee, the organizers, and the sponsors, is given on pages 40-43.

Links:

<http://www.ucalgary.ca/cnta2016/>

<http://www.mathtube.org/lecture/video/life-and-numbers-richard-guy>

http://www.ucalgary.ca/cnta2016/events/richard_guy_presentation_live

<https://www.pims.math.ca/scientific-event/160616-ssemav>

File Uploads:

Additional Upload 1: http://www.pims.math.ca/files/final_report/CNTA-program-small.pdf

Additional Upload 2: http://www.pims.math.ca/files/final_report/session-chairs2.pdf
