

Submittee: Amir Akbary

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Title: Canadian Number Theory Association XII Meeting

Event Type: Conference-Workshop

Location:

University of Lethbridge, Lethbridge, Alberta

Dates:

June 17-22, 2012

Topic:

Number Theory, Analytic and Algebraic Number Theory, Arithmetic Geometry, Diophantine Approximations, Computational Number Theory, Number Theory and Physics.

Methodology:

Lectures (45 minutes plenary lectures, 30 minutes invited lectures, 15 minutes contributed talks, and 50 minutes number theory and physics lectures). One 45 minutes prize lecture. One 50 minutes public lecture.

Objectives Achieved:

The purpose of the CNTA is to promote research in Number Theory. We believe that CNTA XII achieved this goal by gathering leading number theorists, younger researchers, and students. CNTA returned to Alberta for the first time in 24 years and helped to raise the profile of number theory in Western Canada.

Scientific Highlights:

Although it is a bit early to see the definite outcome, we expect that many fruitful collaborations will come out of the meeting. At least one participant has written to us so far that she had a breakthrough in the project she was working on, by using the comments she received after her talk.

Organizers:

Local Organizers : Akbary, Amir, Mathematic and Computer Science, Lethbridge// Kadiri , Habiba, Mathematics and Computer Science, Lethbridge// Ng, Nathan, Mathematics and Computer Science, Lethbridge// Yazdani, Soroosh, Mathematics and Computer Science, Lethbridge// Other organizers: Bennet, Michael, Mathematics, UBC// Bruin, Nils, Mathematics, SFU// Doran, Charles, Mathematics and Statistics, Alberta// Greenberg, Matthew, Mathematics and Statistics, Calgary// Scheidler, Renate, Mathematics and Statistics, Calgary// Vatsal, Vinayak, Mathematics, UBC

Speakers:

Plenary Speakers & Institution ----- Manjul Bhargava, Princeton University// Valentin Blomer, Gottingen University// Chantal David, Concordia University// Andrew Granville, Universite de Montreal// Roger Heath-Brown, University of Oxford// Minhyong Kim, University of Oxford/POSTECH// Ram Murty, Queen's University// Bjorn Poonen, MIT// Akshay Venkatesh, Stanford University// Umberto Zannier, Scuola Normale Superiore di Pisa//

----- Ribenboim Prize Lecture: Dragos Ghioca, UBC// ----- Invited Speakers & Institution ----- Jeff Achter, Colorado State University// Shabnam Akhtari, CRM, Montreal// Jennifer Balakrishnan, Harvard University// Andrew Booker, University of Bristol// Tim Browning, University of Bristol// Paul Buckingham, University of Alberta// Yann Bugeaud, IUF/Universite de Strasbourg// Claus Diem, University of Leipzig// Karl Dilcher, Dalhousie University// Brooke Feigon, CUNY// Michael Filaseta, University of South Carolina // John Friedlander, University of Toronto// Harald Helfgott, CNRS/Ecole Normale Superieure// Patrick Ingram, Colorado State University// Michael Jacobson, University of Calgary// Dimitris Koukoulopoulos, University of Montreal // Manfred Kolster, McMaster University// Alex Kontorovich, Yale University// Matilde Lalin, Universite de Montreal// Greg Martin, University of British Columbia// Kumar Murty, University of Toronto// Robert Osburn, University College Dublin// Carl Pomerance, Dartmouth College// Rachel Pries, Colorado State University// Olivier Ramare, CNRS/Universite Lille 1// Damien Roy, University of Ottawa// Michael Rubinstein, University of Waterloo// Wolfgang Schmidt, University of Colorado// Samir Siksek, University of Warwick// Katherine Stange, Stanford University// Cam Stewart, University of Waterloo// Andrew Sutherland, MIT// Hugh Williams, University of Calgary// Trevor Wooley, University of Bristol//

----- SPECIAL SESSION IN NUMBER THEORY AND PHYSICS ----- Invited speakers & Institution ----- Vincent Bouchard, University of Alberta// Matt Kerr, Washington University in St. Louis// Andreas Malmendier, Colby College// Christopher Marks, University of Alberta// Stefan Mendez-Diez, University of Alberta// Hossein Movasati, IMPA// Ursula Whitcher, University of Wisconsin//

----- Public Lecture: Andrew Granville, Universite de Montreal// ----- Contributed Talks & Institution ----- Lilu Zhao, University of Hong Kong// Anders Sodergren, Institute for Advanced Study// Himadri Ganguli, SFU// Istvan Pink, University of Cebrecen// Adam Tyler Felix, Max Planck Gesellschaft// Micah B. Milinovich, University of Mississippi// Michael Mossinghoff, Davidson College// Dijana Kreso, Graz University of Technology// Lola Thompson, Dartmouth College// Ralph Furmaniak, Stanford University// Kevin Hare, University of Waterloo// Kyle Hambrook, UBC// James Maynard, University of Oxford// Xiannan Li, University of Illinois at Urbana Champaign// Marc Chamberland, Grinnell College// Liangyi Zhao, Nanyang Technological University// Paul Pollack, UBC// Vorrapan Chandee, CRM, University of Montreal// Karl Mahlburg, Louisiana State University// Chester Weatherby, Queen's University// Hee-Sung Yang, Dartmouth College// Maksym Radziwill, Stanford University// Darren Glass, Gettysburg College// Michael Coons, University of Waterloo and University of New Castle// Daniel Fiorilli, Institute for Advanced Study// Xiaomei Zhao, University of Waterloo// Rachel Newton, University of Cambridge// David Krumm, University of Georgia// Alexandre Dahl, University of Toronto// Colin Weir, University of Calgary// Bobby Grizzard, University of Texas at Austin// Soma Purkait, University of Warwick// Ian Petrow, Stanford University// Jennifer Park, MIT// Yaohan Chen, National Central University// Majid Shahabi, University of Lethbridge// Jorge Morales, Louisiana State University// Benjamin Lundell, University of Washington// Stefan Keil, Humboldt-Universitat zu Berlin// Zebediah Engberg, Dartmouth College// Peter Jaehyun Cho, University of Toronto// Tristan Freiberg, KTH Royal Institute of Technology// Filip Najman, University of Zagreb// Pierre Le Boudec, Institut de Mathematiques de Jussieu// Emek Demirci Akarsu, University of Bristol// Dave Mendes da Costa, University of Bristol// James Parks, Concordia University// Mark Thom, UBC// Scott Parsell, West Chester University// Alia Hamieh, UBC// Tatiana Hessami Pilehrood, Dalhousie University// Nick Harland, UBC// Shanta Laishram, Indian Statistical Institute// Joshua Harrington,

University of South Carolina// Ming-Hsuan Kang, National Chiao Tung University// Leo Goldmakher, University of Toronto// Sandro Bettin, University of Bristol// Stefan Erickson, Colorado College// Barinder Banwait, University of Warwick// Brian Cook, UBC// Jonathan Bober, University of Washington// Timothy Caley, University of Waterloo// Cassie Williams, Colorado State University// Scott M. Dunn, University of South Carolina// Karyn McLellan, Dalhousie University// Greg Doyle, Carleton University// Lloyd West, Cuny Graduate Center//

Links:

Conference Website: <http://www.cs.uleth.ca/~CNTA2012/>

----- List of Participants:

<http://www.cs.uleth.ca/%7ECNTA2012/CNTA12-participants.html>

----- Schedule, Abstracts, and Slides:

<http://www.cs.uleth.ca/%7ECNTA2012/CNTA12-schedule.html>

----- Ribenboim Prize Announcement:

<http://www.cs.uleth.ca/%7Ecnta2012/CNTA12-RibenboimAnnounce.html>

Comments / Miscellaneous:

There were a total of 120 talks. 10 plenary lectures, 1 prize lecture, 34 invited lectures, 7 Physics and Number Theory lectures, 1 public lecture, and 67 contributed lectures. The following documents are attached as pdf files: 1. CNTA Poster 2. CNTA complete program 3. CNTA public lecture poster 4. Complete List of Participants

File Uploads:

Additional Upload 1: http://www.pims.math.ca/files/final_report/cnta_poster_final.pdf

Additional Upload 2: http://www.pims.math.ca/files/final_report/cnta-programme.pdf

Additional Upload 3: http://www.pims.math.ca/files/final_report/CNTA_public-lecture.pdf

Additional Upload 4: http://www.pims.math.ca/files/final_report/CNTAXII-Participants-List.pdf
