Submittee: Sudarshan Sehgal
Date Submitted: 2011-08-19 12:25
Title: Group, Rings and Group Rings
Event Type: Conference-Workshop

Location:
Telus Centre , University of Alberta , Edmonton

Dates:
July 11 - 15 , 2011

Topic:
Groups, Rings and Group Rings

Methodology:
Main lectures by invited speakers, short lectures in two parallel sessions and one poster session

---

Objectives Achieved:
Presentation of actual research in the area of group rings and related topics for further developments, in particular as tasks and appetizers for young researchers. Discussions of new methods and outline of future issues.

Scientific Highlights:
Several excellent main lectures were given. Very good recent results were presented by young researchers (postdocs and graduate students). The main topics were: Group algebras of infinite and finite groups (invariant ideals, free group algebras, explicit description of p-adic group rings), units of integral group rings (subgroup separability, construction and torsion subgroups), orders, division rings and algebras, ring theory closely related to group rings (Burnside rings, universal deformation rings, semigroup rings and plactic algebras, graded algebras and polynomial identities), structure of groups relevant for the study of group rings, connections to algebraic number theory and applications to coding theory.

Organizers:
Jespers, Eric, Departement Wiskunde, Vrije Universiteit Brussel, Belgium Kimmerle, Wolfgang, Fachbereich Mathematik, Universität Stuttgart, Germany Sehgal, Sudarshan, Department of Mathematics, University of Alberta, Edmonton, Canada

---

Speakers:

see upload of schedule and abstracts (upload 2)and list of participants (upload 1)

Links:

File Uploads:
Additional Upload 1: http://www.pims.math.ca/files/final_report/participants.pdf
Additional Upload 2: http://www.pims.math.ca/files/final_report/lectureschedulefv.pdf