International Conference

on

GROUPS, RINGS, GROUP RINGS, AND HOPF ALGEBRAS

(celebrating the 75th birthday of Donald S. Passman)

October 2–4, 2015

Joint as a Special Session with the same name at the AMS Meeting #1112, Loyola University, Chicago, October 3-4, 2015.

Friday, October 2   Room: IES 123-124

9:00 *Coherent and Incoherent Enveloping Algebras of Lie Algebras.*

Lance W Small*, University of California, San Diego

10:00 *Hopf automorphisms and twisted extensions.*

Susan Montgomery*, University of Southern California

Maria Vega

Sarah Witherspoon

11:00 *Algebras on the Weyl side.*

Georgia Benkart*, University of Wisconsin-Madison

——Lunch: 11:45–1:30——

1:30 *Dual Reflection Groups.*

Ellen E. Kirkman*, Wake Forest University

James J. Kuzmanovich

James J. Zhang

2:00 *Embedding of some classes of group rings in division rings.*

Alexander Lichtman*, University of Wisconsin-Parkside

2:30 *The lattice of submodules of a multiplicity free module.*

Ian M Musson*, University of Wisconsin-Milwaukee

3:00 *Matched pairs of monoids, Hopf algebras, and the BGG Category $\mathcal{O}$.*

Apoorva Khare*, Stanford University

—Tea Break (sponsored by the Mathematics Department at Loyola): 3:20–3:50—

3:50 *Hopf actions and PBW deformations.*

Chelsea Walton

Sarah Witherspoon*, Texas A&M University

4:20 *Crystal combinatorics from PBW bases.*

John Claxton

Ben Salisbury

Adam Schultze

Peter Tingley*, Loyola University, Chicago

4:50 *Frobenius divisibility for Hopf algebras.*

Adam M. Jacoby*, Temple University

5:20 *Recent advances in classification of finite dimensional semisimple Hopf algebras.*

Leonid Krop*, DePaul University, Chicago

7:00-10:00	Conference Dinner at Hilton Garden Inn, Evanston

Saturday, October 3   Room: Cuneo 109

8:00 *Star group identities on units of group algebras.*

F. César Polcino-Milies*, University of Sao Paulo

8:30 *My collaboration with Don Passman.*

Jairo Z Goncalves*, University of Sao Paulo

9:00 *Free groups and free algebras in division rings of Ore extensions.*

Jason P Bell*, University of Waterloo

Jairo Z Goncalves

9:30 *Noncommutative Galois theory: from subgroups to right coideal subalgebras.*

Vladislav K. Kharchenko*, UNAM, Mexico

10:00 *Quasi-Permutation Singular Matrices are Products of Idempotents.*

S K Jain*, Ohio University

10:30 *Group Ring Groups.*

Eric Jespers*, University of Brussels

11:10–12:00	AMS Invited Address 1:
12:00-1:30	Lunch:
1:30–2:20	AMS Invited Address 2:

2:30 *Group Rings, Jordan Decomposition and Don Passman.*

Alfred W. Hales*, CCR West

3:00 *SSN groups, NCN groups, and multiplicative Jordan decomposition in group rings.*

Chia-Hsin Liu*, Taiwan Normal University

3:30 *On the classification of Hopf algebras of dimension 8p.*

Siu-Hung Ng*, Louisiana State University

4:00 *On classification of semisimple Hopf algebras of dimension 32.*

Yevgenia Kashina*, DePaul University, Chicago

4:30 *Graded modules over simple Lie algebras with a group grading.*

Alberto Elduque

Mikhail Kochetov*, Memorial University of Newfoundland

5:10-6:15	AMS Erdös Lecture: Peter Sarnak
6:15-7:30	AMS Reception

Sunday, October 4   Room: Cuneo 109

8:00 *Yetter-Drinfel'd Hopf Algebras and Their Extensions.*

Yorck Sommerhäuser*, Memorial University of Newfoundland

8:30 *Automorphisms of biproducts.*

David E Radford*, University of Illinois at Chicago

9:00 *Is there a left quantum group containing $U_q(sl(2))$?*

Uma N Iyer

Earl J Taft*, Rutgers University

9:30 *Identities of algebras with Hopf algebra actions.*

David Riley*, University of Western Ontario

10:00 *GK dimension of p. i. algebras.*

Allan Berele*, DePaul University, Chicago

10:30 *How much HeLP can help to describe the torsion units in integral group rings?*

Angel del Rio*, University of Murcia

Mariano Serrano

11:10–12:00	AMS Invited Address 4:
12:00-1:30	Lunch:

1:30 *Symmetric groups and fixed points on modules: an application of group theory to topology.*

George Glauberman*, University of Chicago

2:00 *Zassenhaus Conjecture and Prime Graph Question for Integral Group Rings.*

Leo Margolis*, University of Stuttgart

2:30 *Global representation rings.*

Luis Valero-Elizondo*, University of Michoacana, Mexico

Alberto Gerardo Raggi-Cárdenas

3:00 *Modules invariant under automorphisms of their covers and envelopes.*

Pedro A Guil Asensio

Derya Keskin Tutuncu

Ashish K Srivastava*, Saint Louis University

3:30 *From Hall algebras to cluster algebras.*

Xueqing Chen*, University of Wisconsin-Whitewater

Ming Ding

Fan Xu

Organizers:	Jeffrey Bergen, Stefan Catoiu, and William Chin
	Department of Mathematics, DePaul University