Lie Groups, Lie Algebras and their Representations
Louisiana State University, Baton Rouge, February 12-13, 2011

Saturday, February 12

9:30-10:00 Coffee

10:00-10:50 Andrei Zelevinsky (Northeastern University)
Cluster algebras via quivers with potentials

11:00-11:50 Weiqiang Wang (University of Virginia)
A super duality approach to the representation theory of Lie superalgebras

11:50-14:00 Lunch Break

14:00-14:50 Roger Zierau (Oklahoma State University)
L^2 harmonic spinors

15:00-15:50 Daniel Nakano (University of Georgia)
Computing cohomology for finite groups of Lie type via reductive groups and Frobenius kernels

15:50-16:20 Coffee Break

16:20-17:10 Dragan Milicic (University of Utah)
D-modules and representations

17:20-18:10 Robert Stanton (Ohio State University)
On the fine structure of symplectic prehomogeneous vector spaces

Sunday, February 13

8:30- 9:00 Coffee

9:00- 9:50 Joseph Wolf (University of California, Berkeley)
Principal series representations of certain infinite dimensional Lie groups

10:00-10:50 Hongyu He (Louisiana State University)
Certain unitary representations of special orthogonal group in Arthur's packet

11:00-11:50 Tomasz Przebinda (University of Oklahoma)
Semisimple orbital integrals on the symplectic space for a real reductive dual pair

There is no registration fee. Support for non-local graduate students is available, and graduate students are encouraged to attend. Contact the local organizers, Gestur Olafsson (olafsson@math.lsu.edu) and Milen Yakimov (yakimov@math.lsu.edu) regarding support.