

# Workshop on Lie Groups, Lie Algebras and their Representations

January 17–18, 2009

University of California, Riverside

All talks will be in **Surge 284**

## *Schedule*

Saturday	
10:30am–11:00am	Breakfast in Surge 268
11:00am–11:50am	<b>Eric Rains</b> (Caltech) <i>Vanishing integrals for Macdonald polynomials</i>
1:50pm–2:40pm	<b>Peter Tingley</b> (Univ. of Melbourne) <i>Three combinatorial models for affine <math>sl(n)</math> crystals</i>
2:50pm–3:40pm	<b>Emilie Wiesner</b> (Ithaca College) <i>Ext-Groups for the Lie Algebra <math>W(1; 1)</math></i>
3:40pm–4:10pm	Coffee in Surge 268
4:10pm–4:40pm	<b>Tim Ridenour</b> (UC Riverside) <i>Ideals in parabolic subalgebras of simple Lie algebra</i>
4:50pm–5:40pm	<b>Claudio Procesi</b> (Università di Roma La Sapienza) <i>From splines to the index theorem</i>
Sunday	
8:00am–8:30am	Breakfast in Surge 268
8:30am–9:20am	<b>Eric Sommers</b> (Univ. of Massachusetts, Amherst) <i>A duality map for nilpotent orbits</i>
9:30am–10:20am	<b>Rajeev Walia</b> (UC Riverside) <i>Tensor factorization and Spin construction for Kac-Moody algebras</i>
10:30am–11:00am	<b>Oded Yacobi</b> (UC San Diego) <i>An explicit <math>Sp_n</math> to <math>Sp_{n-1} \times Sp_1</math> branching formula and a Gel'fand-Zeitlin basis of the symplectic group</i>
11:00am–11:20am	Coffee in Surge 268
11:20am–12:10am	<b>Joshua Sussan</b> (UC Berkeley) <i>The Affine Sergeev Algebra and the Lie Superalgebra of type <math>Q</math></i>
12:20am–1:10pm	<b>Nolan Wallach</b> (UC San Diego) <i>On the closure of the orbit of the centralizer of a regular element in a simple Lie algebra</i>