

# Eighth Bay Area Discrete Mathematics Day

Stanford University

Saturday May 1, 2004

The Bay Area Discrete Mathematics Days' goal is to facilitate communication between researchers and graduate students of discrete mathematics around the San Francisco Bay.

The local organizer is Diane Maclagan ([maclagan@math.stanford.edu](mailto:maclagan@math.stanford.edu)). For more information, including abstracts and directions, please check the meeting website:

<http://math.stanford.edu/~maclagan/badiscretemath04.html>

Please email the local organizer if you plan to attend, including any dietary constraints (to allow for lunch catering). Also let us know if you will stay for dinner.

## Program

- 9:15 - 10:00 am Refreshments and informal discussion.
- 10:00–11:00 am **Eric Rains** (UC Davis)  
*Vanishing integrals of Macdonald polynomials*
- 11:00–11:30 am
- 11:30am–12:00pm **Federico Ardila** (MSRI)  
*The Bergman complex of a matroid and phylogenetic trees*
- 12:15 pm–12:45 pm **Tim Hsu** (SJSU)  
*Chain partitions of finite lattices: Recent results and open problems*
- 12:45-2:15pm LUNCH (Provided on site)
- 2:15–2:45 pm **Alex Yong** (UC Berkeley)  
*Gröbner degeneration, Schur polynomials and positivity*
- 3:00–3:30 pm **Tara Holm** (UC Berkeley)  
*Distinguishing chambers of the moment polytope*
- 3:30-4:00pm TEA
- 4:00–5:00 pm **Reinhard Laubenbacher** (Virginia Tech)  
*Finite dynamical systems: theory and applications*
- 6:00 pm DINNER (Restaurant TBA)

## The BADMath Committee

- Anne Schilling (UC Davis)
- Diane Maclagan (Stanford)
- Tom Roby (CSU Hayward)
- Serkan Hoşten (SFSU)
- Joseph Gubeladze (SFSU)