

GSNP NEWSLETTER -- March 1, 2006

Charlie Doering (Chair)
Daniel Lathrop (Sec./Treas.)

GSNP Gallery of Nonlinear Images

Congratulations to the winning entries from the Second Annual Gallery of Nonlinear Images exhibit, held at the 2005 March Meeting of The American Physical Society in Los Angeles:

- *Granular friction: A slider experiment*, Peidong Yu and Robert P. Behringer
- *Capturing knots in polymers*, Peter Virnau, Mehran Kardar, and Yacov Kantor
- *Visualizing the invisible: Ultrasound velocimetry in liquid sodium*, Barbara E. Brawn, Kaveri Joshi, Daniel P. Lathrop, Nicolas Mujica, and Daniel R. Sisan
- *Scalar dissipation fronts in high-Schmidt number mixing*, Jörg Schumacher, Herwig Zilken, Bruno Eckhardt, and Katepalli R. Sreenivasan
- *Simulated magnetization reversal in Fe nanopillar*, S. H. Thompson, G. Brown, and P. A. Rikvold
- *Starbursts and wispy drops: Surfactants spreading on gels*, Karen E. Daniels, Shomeek Mukhopadhyay, and Robert P. Behringer
- *Lagrangian dynamics in two-dimensional turbulence*, Michael K. Rivera and Robert E. Ecke
- *Granular chains*, E. Ben-Naim, Z. A. Daya, and R. E. Ecke

Abstracts and selected multimedia files appeared in a special section of the December 2005 issue of the journal *CHAOS*. The posters and videos can be seen at the *Chaos* journal web site: <http://chaos.aip.org/chaos/gallery/toc.jsp>

Be sure to visit the Third Annual Gallery of Nonlinear Images exhibit at the 2006 March Meeting in Baltimore! Winning entries will be announced at the GSNP Business Meeting, Tuesday 14 March 2006, 5:30PM - 6:30PM in the Baltimore Convention Center 336.

GSNP Student Prizes

Congratulations to the winner of the 2005 GSNP Student Prize, **Lei Xu** (Advisor: Sid Nagel) and to the other finalists who gave presentations at the 2005 March Meeting of The American Physical Society in Los Angeles. The other 2005 finalists were *Igor Volkov* (Advisor: Jayanth Banavar), *Allison Fergusson* (Advisor: Bulbul Chakraborty),

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Binquan Luan (Advisor: Mark Robbins), and Gregory Grason (Advisor: Randall Kamien) They each received \$100.

Be sure to attend the GSNP Student Award Session at the 2006 March Meeting in Baltimore. The finalists will give their presentations in [Session G33](#), Tuesday 14 March 2006 starting at 8:00AM in Convention Center 336. The 2006 finalists are M. Bandi, X. Cheng, E. Flater, S. Hemmady, and T. Majmudar.

The 2006 GSNP Student Prize winner will be announced at the GSNP Business Meeting, Tuesday 14 March 2006, 5:30PM - 6:30PM in the Baltimore Convention Center 336.

March meeting

GSNP is sponsoring and/or co-sponsoring 30 sessions at the 2006 March Meeting of The American Physical Society in Baltimore during the week of 13-17 March. You are especially encouraged to attend the **GSNP Business Meeting, Tuesday 14 March 2006, 5:30PM - 6:30PM** in the Baltimore Convention Center 336, to hear about this year's developments from the GSNP Executive Committee and enjoy refreshments with old and new friends and colleagues.

Fellows

Congratulations to newly elected APS Fellows:

Emily Ching, Chinese University of Hong Kong
Predrag Cvitanovic, Georgia Tech
Daniel Perry Lathrop, University of Maryland
Vladimir Privman, Clarkson University

These Fellows will receive their certificates and pins at the GSNP Business Meeting, Tuesday 14 March 2006, 5:30PM - 6:30PM in the Baltimore Convention Center 336.

The deadline for GSNP nominations for the 2006 round of APS Fellowship elections is 3 April 2006. Nominations should be sent to:

Executive Officer
The American Physical Society
One Physics Ellipse
College Park, MD 20740
ATTN: Fellowship Program

For more information, see <<http://www.aps.org/fellowship/>>.

Election results

The results of the 2005 election of officers for the GSNP Executive Committee are:

Vice-Chair: Sidney Redner, Boston University
Member-at-large: David Grier, New York University
Member-at-large: Eli Ben-Naim, Los Alamos National Laboratory

These officers will be assuming their duties at the Executive Committee meeting taking place during the 2006 March Meeting in Baltimore. (Note: the Vice-Chair proceeds through the jobs of Chair-Elect, Chair, and Past-Chair in the subsequent years immediately following.)

Stepping down from their positions on the GSNP Executive Committee this year are:

Past-Chair: Mark Robbins, Johns Hopkins University
Member-at-Large: Bulbul Chakraborty, Brandeis University
Member-at-Large: Josh Socolar, Duke University

We thank Mark, Bulbul and Josh for their hard work on behalf of GSNP over the past years