

presented by

SoMSS & MCMSC

Workshop on Nonlinear Sciences

Friday, November 13, 2009

Distinguished Lecture by Prof. Vladimir E. Zakharov
Free surface hydrodynamics in conformal variables



Regent's Professor of University of Arizona
Member of the Russian Academy of Sciences
Landau Institute for Theoretical Physics
Member of the Union of Professional Writers and Poets (Russia)

When not writing poetry, he works as applied mathematician and physicist. Several outstanding theories, effects and equations bear his name. He made fundamental contributions in turbulence, theory of nonlinear waves, inverse scattering, theory of solitons, nonlinear optics, numerical and statistical descriptions in hydrodynamics, plasma physics and Bose-Einstein condensate.

Dirac Medal, 2003
State Prize of Russian Federation, 1999 & 1993
Order of Honor of USSR, 1989
7153 "Vladzakharov" Asteroid named after V.E. Zakharov



Prof. Justin Holmer
Brown University

Various blow-up geometries for the nonlinear Schrödinger equation



Prof. Pavel Lushnikov
University of New Mexico/LANL

Finite time singularities: from individual collapses to collapse turbulence

Lecture schedule

Friday, November 13, 2009

1:45 pm	Introduction remarks	PSA 118
2:00	Lecture by Dr. Zakharov	PSA 118
3:00	Refreshments	PSA 116
3:30-5:00	Recognition Lectures by J. Holmer & P. Lushnikov	PSA 118

Saturday, November 14, 2009

12:00 pm Pizza lunch with Dr. Zakharov PSA 206

Students are especially welcome!

**sponsored by student SIAM chapter of ASU*

For more information and lecture abstracts visit <http://math.asu.edu/agora>