Nonlinear Differential Equations, Mechanics and Bifurcation

A conference in honor of David G. Schaeffer

Monday May 20th to Wednesday May 22nd, 2002
Searle Conference Center, Duke University

The theme of the conference is the role of nonlinearity in physical systems, especially elasticity, granular materials, and fluid flow. The conference will honor the contributions of Professor David G. Schaeffer to the fields of ordinary and partial differential equations, mechanics and bifurcation, and to industrial mathematics.

INVITED SPEAKERS

Stuart Antman (Maryland)
John Ball (Oxford)
Jerry Bona (Illinois at Chicago)
Roberto Camassa (UNC)
Suncica Canic (Houston)
Susan Coppersmith (Wisconsin)
Ricardo Cortez (Tulane)
Alain Goriely (Arizona)
Pierre Gremaud (NC State)
John Guckenheimer (Cornell)
Diane Henderson (Penn State)
Philip Holmes (Princeton)
Giles Hunt (Bath)
Roy Jackson (Princeton)
Barbara Keyfitz (Houston)
Anna Lin (Duke)
David McLaughlin (Courant)
Richard McLaughlin (UNC)
Bruce Pitman (SUNY Buffalo)
Mary Silber (Northwestern)
Ian Stewart (Warwick)
Gilbert Strang (MIT)

Website: http://www.math.duke.edu/applied/NDEMB/

DEADLINES

Contributed Abstracts and Travel Grant Requests: March 1st, 2002
Pre-registration: April 1st, 2002

ORGANIZING COMMITTEE

Robert Behringer (Duke), Andrea Bertozzi (Duke), M. Gregory Forest (UNC), Martin Golubitsky (Houston) Michael Shearer, Chair (NC State), Lawrence Virgin (Duke), Thomas Witelski (Duke).

SPONSORS

Departments of Mathematics (Duke, NC State, UNC); Center for Nonlinear and Complex Systems (Duke); Center for Research in Scientific Computation (NC State); Applied Mathematics Group (UNC).

Support is pending from NSF and the US Army Research Office.

Support anticipated for junior faculty, post-docs, students, and attendees from under-represented groups.