



UNIVERSITY OF
MARYLAND

**INAUGURAL SYMPOSIUM
OF THE BURGERS
PROGRAM FOR
FLUID DYNAMICS**

University of Maryland
College Park, Maryland
Stamp Student Union
Activities Room B0108
November 18, 2004

INSTITUTE FOR PHYSICAL SCIENCE
AND TECHNOLOGY

COMPUTER, MATHEMATICAL AND
PHYSICAL SCIENCES

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Agenda

- 8.00 - 9.00 a.m. Welcome Reception
- 9.00 - 9.20 a.m. Introductions
- Dr. Stephen Halperin, Dean**
Computer, Mathematical and Physical Sciences
- Dr. Nariman Farvardin, Dean**
A. James Clark School of Engineering
- 9.20 - 9.30 a.m. Legacy of J.M. Burgers in The Netherlands
- Gijs Ooms**
J.M. Burgerscentrum, The Netherlands
- 9.30 - 9.40 a.m. Legacy of J.M. Burgers at Maryland
- Jan V. Sengers**
Burgers Program for Fluid Dynamics, Maryland
- 9.45 - 10.45 a.m. Dynamics of turbulent shear flows
- Keynote Lecturer:
- Bruno Eckhardt**
First Visiting Burgers Professor, Maryland
- 10.45 - 11.15 a.m. *BREAK: Coffee and tea service*
- 11.15 - 11.50 a.m. *In vivo measurements of wall stress using Particle Image Velocimetry*
- Kenneth T. Kiger**
Burgers Program for Fluid Dynamics, Maryland
- 11.50 - 12.25 p.m. Liquid sodium laboratory models of the earth's outer core
- Daniel P. Lathrop**
Burgers Program for Fluid Dynamics, Maryland

- 12.30 - 1.30 p.m. *LUNCH*
- 1.35 - 2.10 p.m. The computation of disperse flows
Andrea Prosperetti
Johns Hopkins University and
J.M. Burgerscentrum, University Twente
The Netherlands
- 2.10 - 2.45 p.m. Acoustic streaming in a porous material
Gijs Ooms
J.M. Burgerscentrum, The Netherlands
- 2.45 - 3.00 p.m. **Dr. Dan Mote, President**
University of Maryland at College Park
- 3.30 - 3.45 p.m. *BREAK: Poster Session with coffee and*
tea service
- 3.45 - 4.20 p.m. Impact dynamics: void collapse and jet
formation
Devaraj van der Meer
J.M. Burgerscentrum, University Twente
The Netherlands
- 4.20 - 4.55 p.m. Weather prediction with better global
initial conditions
James A. Yorke
Burgers Program for Fluid Dynamics, Maryland
- 4.55 - 5.15 p.m. Announcement of best poster awards
and Conclusion