



UNIVERSITY OF
MARYLAND

The Burgers Program for Fluid Dynamics

Fifteenth Annual Symposium

Wednesday November 14, 2018

Jeong H. Kim engineering building
Kay boardrooms (1107 and 1111)

1:00 - 1:15

Welcoming Remarks

Jim Wallace

Director, The Burgers Program for Fluid Dynamics
Emeritus Professor, Department of Mechanical Engineering
Institute for Physical Science and Technology
University of Maryland

1:15 - 2:15

Burgers Lecture

*Adopting Lattice-Boltzmann for simulating
turbulence and emulsification*

Harry Van den Akker

School of Engineering
University of Limerick and Technical University, Delft

2:15 - 2:50

Prediction of frictional drag for rough surfaces

Karen Flack

Department of Mechanical Engineering
Naval Academy

2:50 - 3:50

GRADUATE STUDENT AND POST-DOCTORAL POSTER
SESSION. REFRESHMENTS SERVED

3:50 - 4:25

*Mathematical perspectives on coherent structure vs
chaos in fluid mechanics*

Jacob Bedrossian

Department of Mathematics and Center for Scientific
Computation and Mathematical Modeling
University of Maryland

4:25 - 5:00

Water flows at nanoscopic interface

Siddhartha Das

Department of Mechanical Engineering
University of Maryland

5:00 - 6:00

RECEPTION AND
ANNOUNCEMENT OF BEST POSTER AWARDS



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& TECHNOLOGY