

**Dr. Chet Grosch Symposium  
on  
"The Art of Fluid Dynamics"**

October 13 & 14, 2016  
Barry M. Kornblau Alumni Center  
Old Dominion University

Day 1, Thursday, Oct. 13

0900-0910 Welcome and Logistics  
Eileen Hofmann, CCPO

0910-0920 Introduction to Symposium  
Larry Atkinson, CCPO

*Theme 1 – Understanding of Turbulence  
Moderator: Eileen Hofmann*

0920-0945 Turbulence on Shallow Shelves: The Discovery (and Modeling) of  
Langmuir Supercells  
Ann Gargett, CCPO

0945-1005 Large-eddy Simulation and Parameterization of Langmuir Supercells in  
the Coastal Ocean  
Andres Tejada-Martinez, University of South Florida

1005-1030 Observation of Turbulence in the Upper Ocean  
Brian Ward, National University of Ireland

1030-1100 Coffee/Tea break

*Theme 2 – Nonlinear Mathematics and Flow Analysis  
Moderator: John Klinck*

1100-1125 Incomparability and Complexity  
Denny Kirwan, University of Delaware

1125-1150 Fire, Ice, Water and Dirt: A Simple Climate Model. An Adventure in  
Mathematical Modeling  
John Kroll, Department of Mathematics, ODU

1150-1215 Progress, Challenges and Failures in Ocean Circulation Modeling: The  
Gulf Stream Case  
Tal Ezer, CCPO

- 1215-1230 Ancient History of the Eye of O  
Jim Haluska, CCPO
- 1230-1400 Lunch
- 1400-1430 The Influence of Surface Roughness on the Growth of Boundary Layer Instabilities  
Michael Gaster, FRS, City University of London
- 1430-1455 Flow, Form and Photosynthesis: Impact of Fluid Dynamics on Radiative Transfer and Primary Production in the Sea  
Dick Zimmerman, OEAS, ODU
- 1455-1520 Time Domain Wave Packet Method in Computational Aeroacoustics  
Fang Hu, Department of Mathematics, ODU
- 1520-1545 Modeling the Langmuir Circulation: Triple Decomposition of the Craik-Leibovich Model  
Guillaume Martinat, CCPO, France
- 1545-1600 Will They All Be Like Him?  
Paul Moersdorf, Elon College
- 1600-1700 Wine & Cheese Reception

Day 2, Friday, October 14, 2016

0900-0905 Welcome

*Theme 3 – Time Series Analysis in Earth Systems*  
*Moderator: Ann Gargett*

- 0905-0930 Northeast Pacific Ocean Time Series Analyses: Water Temperature to Toys  
Tom Royer, CCPO
- 0930-0955 Chet, Renee, Me and Erdos: Using Time Series to Quantify the Ingress Timing of Larval Fish to Estuaries  
Cynthia Jones, OEAS, ODU
- 0955-1010 Reflections of a Former CCPO Student of Chet  
Ajoy Kumar, Millersville University
- 1010-1030 Coffee/Tea Break

- 1030-1050 Climatological Distributions of *Euphausia superba*, *Euphausia crystallorophias*, and *Pleuragramma antarcticum* with Correlations to Environmental Variables in the Western Ross Sea, Antarctica  
Brynn Davis, CCPO
- 1050-1100 My Time at the Crossroads with Dr. Grosch  
John Holdzkom, Atmospheric and Environmental Research, Inc.
- 1100-1125 Novel Applications of CSEOFs  
Ben Hamlington, CCPO
- 1125-1140 No More Engines and Refrigerators  
Matt Weiss, OEAS, ODU
- 1140-1155 Fermi Problems, Chet and Cookie Time  
John Klinck, CCPO
- 1155-1215 Final Remarks and Reflections  
Chet Grosch & Ann Gargett
- Symposium Adjourn