



Center for Scientific Computation And Mathematical Modeling

University of Maryland, College Park



Workshop Announcement

2013 Interdisciplinary Summer School

Data Assimilation in Geosciences

June 3-14, 2013

Organizers

- Jeff Anderson** National Center for Atmospheric Research
Kayo Ide University of Maryland
Eitan Tadmor University of Maryland
Olivier Talagrand École Normale Supérieure

Instructors

- Jeff Anderson** National Center for Atmospheric Research
Brian R. Hunt University of Maryland
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Andrew Majda New York University
Andrew Stuart University of Warwick
Olivier Talagrand École Normale Supérieure



A limited number of openings are available.

To apply, complete the application before **March 22, 2013** at: www.cscamm.umd.edu/programs/das13

Applicants are strongly encouraged to participate throughout the two-week period of this summer school. For more information:

Website: www.cscamm.umd.edu/programs/das13
Email: das13@cscamm.umd.edu

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Scientific Background

The mathematical methods of Data Assimilation describe algorithms for combining observations of a dynamical system, a computational model that describes its evolution, and appropriate prior information. From its beginning in the 50s, numerical weather prediction lead the development of Data Assimilation. It has now become an intensive field of research, with applications in oceanography and atmospheric chemistry, and extensions to other geophysical sciences.

Goals

This summer school targets primarily researchers at an early stage of their career with previous experience in data assimilation. It will focus on interdisciplinary exposure to advanced methods in data assimilation, while lectures by operational experts will provide an overview of current cutting-edge techniques in this field.

