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
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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.