David L Nieland

Subject: Graduate Workshop on Environmental Data Analytics - July 25-29, 2016, Boulder CO.

Third Annual Graduate Workshop on Environmental Data Analytics - July 25- 29, 2016, NCAR, Boulder CO.

www2.cisl.ucar.edu/events/workshops/3rd-data-analytics

This workshop series is designed to help prepare the next generation of researchers and practitioners to work within, and contribute to, the data- rich era. Each workshop will bring together graduate students and senior scientists in environmental statistics and related fields to explore contemporary topics in applied environmental data modeling.

The workshop will consist of hands-on computing and modeling tutorials, presentations from graduate student participants, and invited talks from early career and established leaders in environmental data modeling.
Tutorials and invited talks will address useful ideas and tools directly applicable to student participants' current and future research.

Workshop participants will:

*Develop new modeling and computing skills through hands-on analyses and lectures led by quantitative scientists

*Share research findings and explore open questions within and at the interface of environmental, ecological, climatic, and statistical sciences

*Learn about the National Center for Atmospheric Research (NCAR) and National Ecological Observatory Network (NEON) data resources that can facilitate scientific discovery

Workshop tutorials:

*Climate data analytics: Doug Nychka, Institute for Mathematics Applied to Geosciences, NCAR

*Introduction to Bayesian statistics and modeling for environmental and ecological data: Alix Gitelman, Department of Statistics, Oregon State University

*Hierarchical models for spatio-temporal data analysis: Andrew Finley, Department of Forestry, Michigan State University

Twenty five graduate students in environmental, ecological, climatic, and statistical science fields will be selected to participate in this year's week-long workshop.

There is no registration fee. Lodging will be at CU-Boulder Bear Creek apartments and daily transportation to NCAR Mesa Lab and NEON is covered by the sponsors (NSF, NCAR, IMAGe, and SAMSI). Participants will only be responsible for travel to Boulder and meals.

Application materials are due April 8 and notification will occur around April 15. Please see
www2.cisl.ucar.edu/events/workshops/3rd-data-analytics
for application details.

Please email Andrew Finley finleya@msu.edu with any questions.