From: Elizabeth Tran
Subject: REGISTRATION OPEN! Training Workshop: The Community WRF-Hydro Modeling System, and Water Sustainability in a Global Economy Master Class

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REGISTRATION IS NOW OPEN FOR THE FOLLOWING 2017 CUAHSI WORKSHOPS:

Training Workshop: The Community WRF-Hydro Modeling System

and

Water Sustainability in a Global Economy Master Class

Continue reading below for additional information and registration deadlines.

A very limited number of student travel grants are available on a first come, first served basis to help defray the cost of travel to the courses. Contact Elizabeth Tran at etran@cuahsi.org for more information.

Training Workshop: The Community WRF-Hydro Modeling System

May 2 – 4, 2017 || Boulder, CO

Early Bird Registration Deadline: February 1st

Regular Registration Deadline: February 15th

This training workshop will provide graduate students and early career scientists with formal instruction on the structure and application of the WRF-Hydro system and will offer hands-on experience in setting up and running the system for several different research and prediction applications.

Specific topics to be covered during the workshop include:

- Conceptualization and structure of the WRF-Hydro system
- Description of physics components options within WRF-Hydro v5.0
- Model porting and compilation and overview of parallel computing with WRF-Hydro
- Model input data preparation
- Model configuration and execution
- Visualization and post-processing of model output
- Case studies (participants learn how to use the system in both one-way

uncoupled and two-way coupled modes with the community WRF atmospheric model)
- Setup and use of the open source Rwrfhydro hydrologic model evaluation package
- Open discussion on class participant interests and applications

Class participants will receive in-depth training via lectures and hands-on activities on the implementation and use of the WRF-Hydro system where all hands-on tutorial activities will be conducted in a formal computer laboratory located at NCAR.

Prerequisites: Graduate students, post-docs, and professionals working in hydrology and/or the atmospheric sciences are invited to participate. Prior hydrologic and/or atmospheric modeling experience is advised. Unix/Linux command line operation strongly recommended.

The course will be held at NCAR in Boulder, CO. Included in the registration fee are course tuition, facilities costs, catered lunches and light refreshments, and shuttle transportation from the hotel to/from campus.

Visit the event website for more information and to register.

Water Sustainability in a Global Economy Master Class

May 16 – 19, 2017 || Flagstaff, AZ

Early Bird Registration Deadline: February 15th

Regular Registration Deadline: February 28th

The Water Sustainability in a Global Economy Master Class is intended for graduate students in Hydrology and Water Resources science and engineering programs requiring focused training on modern research methods in embodied water resources accounting in a regional and global economy context. An overview of major modern methods is provided to help the student identify the most appropriate tools for their current research problems.

The course will be divided into four modules:

1. Datasets and Informatics
2. Water Footprint Accounting
3. Complex Networks
4. Causal Inference

Prerequisites: This is a research-oriented class. Students must be enrolled in research degrees and intend to use this course to inform their research.

The course will be held at Northern Arizona University in Flagstaff, AZ. Included in the registration fee are course tuition, facilities costs, catered lunches and light refreshments.

Visit the event website for more information and to register.

Questions?
Contact Elizabeth Tran at etran@cuahsi.org