

Call for presentation

Title: Panta Rhei Symposium on Modeling hydrological processes and changes

Call for abstract

Hydrological processes both in catchment and urban area have been changing due to the dual impacts of climate changes and human activities, and modeling the hydrological processes and changes has long been the goal of the global hydrological communities. Challenges still exist, such as lacking effective models and in-situ observation data. This session will address the challenges facing the modeling to hydrological processes and changes. Abstracts in the following topics are sought, and shall be submitted online via the conference website no later than May 31, 2014.

- In-situ and remote sensing observation to hydrological processes, including evapotranspiration, soil moisture, runoff, groundwater, floods, drought, landslides and mudflows, data fusion and assimilation, long established experiment catchments and urban test beds and databases are particularly welcome
- Hydrological models and tools both descriptive and quantitative that could be used to simulate/predict hydrological processes and changes, cutting-edge techniques and data supporting the modeling, the uncertainties associated with the modeling and its controlling methods
- Changes of hydrological regimes observed and/or simulated due to climate changes and human activities, including but not limited to evapotranspiration, soil moisture, runoff, groundwater, floods, drought, landslides and mudflows. Case studies in large rivers and urbanized areas are particularly sought.

This is a session of the new scientific decade 2013–2022 of IAHS, entitled “Panta Rhei – Everything Flows”, and is organized by the Panta Rhei working group- Modeling hydrological processes and changes(MHPC), the co-organizers are Panta Rhei working group - Prediction under Change (PUC) , Water and energy fluxes in a changing environment, Physics of hydrological predictability and Sustainable water supply in a urban change (more to be added) . Two oral sessions and one poster session will be organized during the conference, and round-table discussion will be organized during the post conference Three Gorges Technical visiting(optional). Both presented oral and poster papers will be further reviewed and published as special issue in the related internationally refereed journals after the conference.

Suggested paper number: 15 oral presentations plus unlimited posters

Organizer

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more to be added

Invited speakers

To be announced later.