

International Symposium on Water, Feedbacks, and Complexity

Nov. 21, 2013

12:00 ~ 5:00 PM

**International Center for Converging Technology,
Room 601
Korea University**

Organized by

BK21 Plus 'Innovative Leaders for Creating Future Value in Civil Engineering'
BK21플러스 '미래가치 창조를 선도하는 혁신적 건설인재 양성사업단'

Research Center for Disaster Prevention Science and Technology
고려대학교 방재과학기술연구소

Welcome

In this autumn, our two friends, i.e., Prof. Suresh Rao from Purdue University and Prof. Gavan McGrath from University of Western Australia happen to visit our campus. On this very exciting occasion, we came to organize this international symposium at Korea University. This function will be an excellent opportunity to introduce various aspects of hydrology and Earth's surface processes to graduate students in different disciplines. Further, this will also become a showcase of the research capabilities of teams led by presenters in Purdue University, University of Western Australia, and Korea University, and can bring ideas for future collaborations.



The theme of water, feedbacks, and complexity probably best explains the common keywords of research groups involved in this symposium. The importance of understanding feedback mechanisms has received significant attention in hydrological communities. Further, complex system behavior and corresponding pattern evolution have drawn many fundamental scientific questions. I hope this symposium to be a truly enjoyable occasion intellectually.

This function was possible through the financial support from BK21 Plus program and Korea University's Research Center for Disaster Prevention Science and Technology. I thank all participants who come over here and sharing ideas. In particular, I appreciate Prof. Seunghun Hyun who made this gathering possible and Prof. Yeong Bae Seong who happily accepted my request for giving a presentation in short notice. Welcome all to our campus.

Kyungrock Paik

On behalf of organizing team

Presentation Schedules

12:00 – 12:30	Registration and Light Lunch
12:30 – 1:00	Opening Announcement
1:00 – 1:50	<i>“Catchment in Anthropocene”</i> Prof. Suresh Rao, Purdue University
1:50 – 2:40	<i>“Cosmogenic Nuclides and Their Application to Earth Surface Processes”</i> Prof. Yeong Bae Seong, Korea University
2:40 – 3:10	Coffee Break
3:10 – 4:00	<i>“Destructive or Productive? Quantifying the impact of tropical cyclones on Australia's vegetation”</i> Prof. Gavan McGrath, University of Western Australia
4:00 – 4:50	<i>“Modeling Land Surface Dynamics – Current Capabilities to Capture Emergent Characteristics”</i> Prof. Kyungrock Paik, Korea University
4:50 – 5:00	Closing Remarks

❖ *Each timeslot includes time for discussions, questions, and answers.*