An international workshop on

Hydrology: The Interdisciplinary Science of Water

An event under

Global Initiative of Academic Networks (GIAN)

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Overview

Climate change evidently affects the global precipitation pattern which can lead to societal conflicts. Hence the need of the hour is to adopt mitigatory approaches which can at least diminish the effect of climate change to a certain extent. Managing water resources using an integrated approach would be critical to mitigate social, economic and environmental impacts. IPCC in 2007 said that "water and its availability and quality will be the main pressures on and issues for societies and the environment under climate change". When planning future water supplies the global picture becomes less important than the effect of climate change on safe water availability in individual regions and individual seasons. Also, the mitigation strategies should be considered keeping the increasing demand of safe water in mind.

The aim of the proposed course is to inculcate the sense of urgency to act in researchers/policymakers/industrialists and make them aware with the scope in the field and ways of contributing towards sustainability in the water resource management by understanding the governing processes of water storage and supply on watershed scale followed by developing integrated efficient operating system. Much advancement has been made in this field but the difficulty lies in the application of the existing information to arrive at a solution for this. Thus outcomes of this course will be relevant to and/or mainstreamed into policy processes. These issues are kept in the priority list of government agenda and very much on the line of goal and policy process. Course participants will learn these topics through lectures and hands-on experiments. Also case studies and assignments will be shared to stimulate research motivation of participants.

Modules	**A: Duration : January 4 - January 14, 2016** **B: Venue : Tezpur University, Sonitpur, Assam, India** **Number of participants for the course will be limited to fifty.**
You Should Attend If…	▪ you are a civil engineer, geologist/ geophysicist or scientist interested in tracing contaminant pathway in freshwater systems and preparation of groundwater vulnerability maps ▪ you are a remote sensing and GIS expert and want to apply your knowledge in the fascinating field of hydrological and hydro-meteorological processes ▪ you are a research scholar and want to know the current trends of the research in the field of hydrology before framing your own cutting edge research questions ▪ you are a student or faculty from academic institution dealing water related topics ▪ you are a software/computer engineer and want to develop predictive insight onto changing water system to increase your utility ▪ you are a person from industry/research organization and interested in learning about modern wastewater treatment options.
Fees	The participation fees for taking the course is as follows: **Participants from abroad : US $500.00** **Industry/ Research Organizations: Rs. 10,000.00** **Academic Institutions: Faculty/staff: Rs. 5,000.00 ; Research scholar/student: Rs. 3,000.00** The above fee include all instructional materials, 24hr free internet facility, computer use for tutorials and assignments. The participants will be provided with accommodation on payment basis in the University Guest House (current official rate is Rs.500/- per day for single occupancy; Rs.400/- per day for double occupancy and Rs.300/- per day in the dormitory of the guest house) and outstation research scholars/UG/PG students will be accommodated in the University hostels (current official rate is Rs. 150/- per day with bed roll).

The Faculty

Prof. Kangjoo Kim is a faculty of Kunsan National University, Kunsan, South Korea. His research interests include hydrology and environmental geochemistry, groundwater contamination and remediation, management of coal combustion residues, coastal geochemistry, chemical analysis of water and soils, and statistical analysis of chemical data.

Dr. Apurba Das is an Associated Professor and head of the department of environmental Science in Tezpur University. His research interests are geomorphology, Riverine hazards, landforms, Socio-economic issues. He has special interest in changing water regimes, natural hazards and hydrometeorological processes.

Dr. Manish Kumar is an Assistant Professor of Tezpur University, Sonitpur, Assam. His research interests are understanding contamination pathways in freshwater systems; tracing pollutant attenuation along the groundwater flow using isotopes, field survey and GIS; Build-up and Wash-off of Micropollutants (like Heavy Metals); Diffuse pollution sources of the urban area; Finding ways for sustainable urban water cycle in climate change scenario; and possible remediation technique/solution.

Travel Information

The university campus is located about 15 km east of Tezpur, the headquarters of Sonitpur District of Assam, INDIA. It is well connected with Guwahati, the capital city of Assam, which is about 200 km from Tezpur. Guwahati is also well connected by air and train with the rest of the country.

Registration

Registration forms are attached with the brochure. Duly filled registration forms can be sent to the coordinator both by online and offline mode.

Course Coordinator

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E-mail: manish.env@gmail.com
manishk@tezu.ernet.in
tugianhydrol@gmail.com

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http://www.gian.iitkgp.ac.in//files/brochures/BR1445246681GIAN_154016C01_Hydrology_EVS_TU.pdf

REGISTRATION CUM

ACCOMODATION REQUEST FORM

(To reach electronically by 5th December, 2015 and hard copy by 15th December, 2015)

INTERNATIONAL WORKSHOP ON HYDROLOGY: THE INTERDISCIPLINARY SCIENCE OF WATER

January 4-14, 2016

Department of Environmental Science, Tezpur University

Tezpur, Assam

Name (Block Letters): …… M/F: ……

Designation/ Professional Title: ….……..

Organization: ……

Address: ……

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Tel.: …….. . Mobile: ……....

E- mail: …….

Accommodation Required (Yes/ No): ……..……...

Single Accommodation (Yes/ NO) : …..……..

Double Accommodation (Yes/ NO)…….

The Registration fee of Rupees ……has been paid via Demand Draft No……..in favour of The Registrar, Tezpur University/Through SBI online/offline banking bearing Transaction No. ……..... to SBI Tezpur Main Branch (RTGS/IFSC code: SBIN0000195) A/Ct No. 10501585452 of Tezpur University. Demand Draft/ Fee Receipt have been enclosed herewith.

Date: Signature