

## STUDENT SYMPOSIUM

Concurrently with the programme of the First Day (17 August 2012), a Symposium will be conducted exclusively for the college/university student community. Last date for receipt of abstracts for the Symposium is 30 April 2012. Acceptance of abstracts will be communicated by 15 May 2012. (Please see Registration details for Student Symposium).

### REGISTRATION

Registration fee for Indian delegates is Rs.600/-. The registration fee for student participants for the one-day Symposium is Rs.150/-. The last date for registration is 30 June 2012 (please use the registration form).

### OTHER SPONSORS

The following agencies also will be approached for sponsoring the event: MoEF, MoWR, CSIR, National Drinking Water Mission, ICAR, CGWB, State Government organizations, international agencies, academic institutions and industries.

### ABOUT KARUNYA UNIVERSITY AND THE WATER INSTITUTE

Karunya University, established as an Engineering College in 1986, transformed into an autonomous institution in 2000 and a Deemed University in 2004 (under UGC Act 1956). There are around 8000 students pursuing their BTech, MTech / MBA / MCA / MSc / MA and PhD programmes in 9 Schools and 23 Departments of the University. The entire student community and most of the staff stay in the Campus, which spreads over 750 acres, surrounded by the Western Ghats on three sides.

The Water Institute was established in 2008 in line with the vision of the Founders to focus on academic, research and extension programmes in areas relevant to the welfare and livelihood of society. The Institute started an M.Tech course in Integrated Water Resources Management (IWRM) and one dozen scholars are pursuing their PhD programmes on topics related to hydrology and water management. Research projects funded by DST (Gol) and MoEF(Gol) are being carried out by the Institute. Facilities for research on electrochemical techniques for water treatment have been established. Consultancy projects are carried out for international agencies and government departments.

First Announcement

## International Meet

on

### IMPACT OF CLIMATE CHANGE ON WATER RESOURCES DEVELOPMENT AND MANAGEMENT

(Also a Symposium for Students on 17/8/12)

Karunya University, Coimbatore: 17-18 August 2012

Sponsored by  
Department of Science and Technology  
Govt. of India

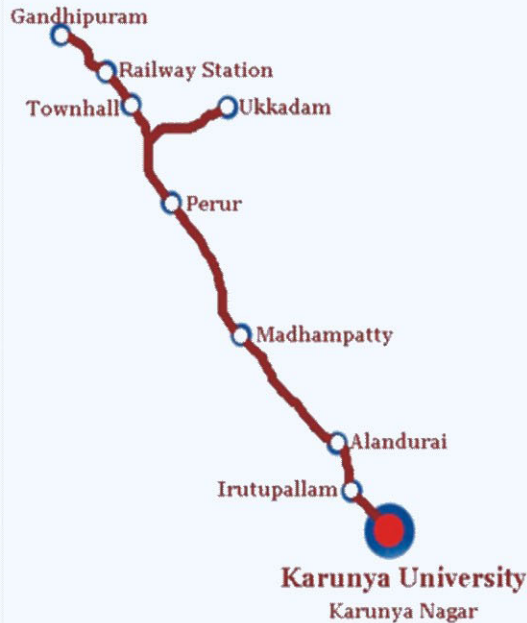


Organized concurrently with the Silver  
Jubilee celebrations of

# Karunya UNIVERSITY

(KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES)  
(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)  
Karunya Nagar, Coimbatore 641 114, India

Website: [www.karunya.edu](http://www.karunya.edu)



Gandhipuram to Karunya University - 29 kms

### CONTACT:

#### International Delegates:

Dr.P. Esther Jegathambal, Professor,  
Water Institute,  
Karunya University, Coimbatore 641 114  
Mob: 09940384846

#### National Delegates:

Dr.J.Brema, Asst. Professor (SG),  
School of Civil Engineering,  
Karunya University, Coimbatore 641 114  
Mob: 09486662284

#### Student Participants (Symposium):

Mrs.K.L.Priya, Asst. Professor,  
School of Civil Engineering,  
Karunya University, Coimbatore 641 114  
Mob: 09364540412

Email : [climmeet2012@gmail.com](mailto:climmeet2012@gmail.com)



## BACKGROUND

With the increase in temperature and consequent thermodynamic effects, the earth will face considerable changes in its atmospheric water storage and precipitation pattern. The intensification of global hydrologic cycle is bound to have major impacts on regional/river basin water balance, which in turn will affect the domestic and industrial water supply, irrigation and health of ecosystems. Multiple-year droughts could be more intense. The effect of dry summers associated with the risk of drought may be pronounced in mid-latitude continental interiors. Under these conditions, the low flow events will increase and reservoir supplies may reduce. The need for water for meeting human requirements will increase due to rise in population and changes in water use pattern. The glaciers may have a tendency to melt down. Along with this, the predicted rise in sea level may pose a major threat to coastal ecosystems.

Coping with climate variability in itself is a difficult task and coping with climate change is a much more difficult task. Along with frequent and intense floods, droughts and other extreme events such as cyclones, water managers may have to face the threats of population growth, urbanization, land use changes and the problems presented by degradation of ecosystems. However, an understanding of the uncertainties surrounding different scenarios is important for water resources managers to cope up with the situation.

The DST-SERC sponsored International Meet on "Impact of Climate Change on Water Resources Development and Management" is proposed considering the above mentioned background. The event is organized by the Water Institute and School of Civil Engineering of Karunya University concurrently with other programmes conducted as part of the Silver Jubilee Year.

## OBJECTIVES

The major objectives of the Meet are:

- To take stock of the available data, information and trends
- To review the state-of-the-art of hydrology and water resources management, especially in the context of climate change
- To come out with strategies and unified efforts to face the challenges in the water management sector
- To create awareness on the topic among student community.

## MAIN THEMES

Hydroclimatic modeling and flood prediction ♦ Drought monitoring, predictions and management ♦ Hydrologic risks and design ♦ Hydro-ecosystem modeling ♦ Climate change and watershed/river basin management ♦ Monitoring sea level change ♦ Glacier melt ♦ Emerging tools ♦ Water quality ♦ Storm water management ♦ IWRM ♦ Water and agriculture ♦ Reservoir operation ♦ International and transboundary basins ♦ Adaptation in legal, institutional and policy issues.

## PAPER PRESENTATIONS

Theme papers will be presented by experts. These presentations of about 30 minute duration will be followed by presentations of a few satellite papers. The organizers are planning to bring out the proceedings of the Meet.

## CALL FOR SATELLITE PAPERS

Opportunity will be given to present a few satellite papers on different themes at the Meet. The last date for receipt of abstract of satellite papers is 30 April 2012. Acceptance of abstracts will be communicated by 15 May 2012.

## *International Meet*

*on*

### **Impact of Climate Change on Water Resources Development and Management**

*(Also a Symposium for Students on 17/08/12)*  
Karunya University: 17 - 18 August 2012

#### **REGISTRATION FORM**

Name:

Designation:

Organization

Mailing Address

Tel.:

FAX:

Email:

I would like to present paper

I would like to attend the Meet

I would like to attend the Student Symposium

Signature

Details of Registration Fee:

Demand Draft No:

Date:

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