

Water Resources & Hydro Power- 2016



WRHP 2016

June 17-18, 2016

Organized by:

University of Petroleum and Energy Studies, Dehradun

In Association with:

**UJVN Limited, Uttarakhand
Indian Society for Hydraulics, Pune**

Website :-
www.upes-wrhp.com

WRHP 2016

About the WRHP-2016

Water is an essential requirement not only for sustenance of life but also for food, fiber and shelter. Water resources are essential for agricultural, industrial, household, recreational environmental and other activities. In recent time, the management of water resources is the need of the hour and needs special attention. One of the challenging issues is flood planning and management as the floods do occur due to unusual excessive rain water, inadequate capacity of rivers to carry the high flood discharge, snow melting, cloud bursting inadequate drainage to carry away the rainwater quickly to streams/ rivers are the main causes of floods. The droughts are also confronting the human beings. The impacts of climate change have further aggravated these issues. The well-being of a nation can be judged by its capacity to store water and put it to proper uses by the people. This stored water can be utilized for harnessing hydro power.

India is blessed with immense hydro-electric potential and ranks 5th in terms of exploitable hydro-potential on global scale. Further, due to the recent incidences of hydro-meteorological disasters and the concerns raised about social and environmental aspects from many quarters, the development of hydro potential has not made much of headway. As a consequence, Uttarakhand which has a projected potential of 27,000 MW has only been able to harness about 3,942 MW from hydropower projects. Therefore, there is a huge opportunity to further optimally harness the hydropower potential towards acquiring energy security and green growth. There is a need of serious relooking of the existing status, policy, environmental, financial, social and technical barriers in implementation.

The organizers of the conference, therefore, considered it prudent to organize a conference on themes related to water resources and hydropower. The main objective of the conference is to manage water resources properly and to generate hydropower.

ABOUT ORGANIZERS OF WRHP 2016

About UPES

University of Petroleum and Energy Studies (UPES) was established in the year 2003 through UPES Act, 2003 of the State Legislature of Uttarakhand. With an ambitious vision and unique approach, UPES emerged as an innovative institution offering industry-focused specialized graduate, post-graduate and doctoral programs in key areas such as Energy, Infrastructure, Transportation, Information Technology and Legal Process. (<http://www.upes.ac.in/>)

The University's objective is to develop domain specific and competent technocrats, professionals and managers who are ready to join the core industries.

About UJVNL

UJVN Limited formerly known as Uttarakhand Jal Vidyut Nigam Limited, is an ISO 9001: 2008 company, incorporated under the Companies Act 1956 in 2001. Main objective of UJVN Ltd. is to establish takeover, operate and maintain power generating stations harnessing the conventional, non-conventional, nuclear and other sources of energy that include sub-stations, transmission lines, other ancillaries and activities It is one of the large power companies of the country operating 15 hydro power stations of different sizes with a combined capacity of 1290 MW. Currently, UJVN Ltd. is in the process of developing 13 large hydro power projects aggregating to 3174 MW and 22 SHPs aggregating to 177 MW. (<http://www.uttarakhandjalvidyut.com/>)

About ISH

The **Indian Society for Hydraulics (ISH)** has been set up in 1992 as a technical, educational and non-profit voluntary national organization to encourage and foster understanding amongst engineers, scientists and other technical personnel engaged in various activities related to hydraulics. (<http://ish.net.in/>)

Conference Themes

The event will focus on the following key themes:

- **Water Resources Planning and Management**
 - Watershed Management & Interlinking of rivers
 - Water harvesting and groundwater recharge
 - Flood Forecasting and Mitigation
 - River hydrodynamics morphology
 - River Ganga valley and basin management
 - Conflicts arising over water
 - Policy, governance and implementation.
 - Planning of Ground water development
- **Climate Change and Global Warming**
 - Impact of climate change on water resources/Ground water
 - Ecosystem health of river Ganga and its tributaries
 - Climate change and global warming : impact on Ganga basin
 - Hydrological impacts of climate change
 - Environmental aspects of hydropower
 - Environment clearance from the government
- **Hydraulic Structures**
 - Fluvial hydraulics
 - Sedimentation Management
 - Small Dam/High Dam/Weir/Barrage/Cross Drainage works
 - Downstream issues- Scour, Erosion etc
 - Dam break problem
 - Coastal and offshore structures
 - Ports and Harbours
- **Hydropower Engineering**
 - Micro/Small Hydropower, Ultra-Low Head / hydro-kinetic Technology Development
 - Cumulative Environment Impact Assessment of hydropower project
 - Community Participation in Development
 - Pumped storage and integration with Renewable Energy
 - Reservoir Operation

Invitation and Call for Papers

It is designed to bring together practitioners and researchers alike, including field engineers, academicians, planners, health specialists, disaster managers, decision makers and policy makers engaged in various aspects of water resources and hydropower. It provides a unique opportunity for these various specialists to come at one platform.

Interested authors are requested to submit full-length papers, not exceeding 8 pages on A-4 size paper as per the relevant theme/themes of the conference and in the prescribed format, to the organizing Secretary (Dr Vijay Raj), WRHP 2016 latest by 30th April 2016. The acceptance of the papers by electronic mail will be communicated to the author/authors by 15th May, 2016. (paper_wrhp@ddn.upes.ac.in). *The authors and delegates are requested to send papers and other correspondence through e-mail only*

Important Dates

- **Last date for submission of full Paper** : **30 April, 2016**
- **Intimation regarding acceptance of Papers** : **15th May, 2016**

Registration

The Registration Fee is as under:

- **Delegates** : **Rs. 4000/-**
- **Contributing authors and ISH members** : **Rs. 3000/-**
- **Students** : **Rs. 1000/-**
- **Accompanying Person** : **Rs. 1500/-**

The Registration Fee provides for the Conference Proceedings, Registration kit, working lunches and tea/coffee during two days of conference. Prospective participants are requested to fill Registration form which is available on conference website and mail (wrhp@ddn.upes.ac.in) the same along with the Registration Fee to the convener. Registration fee can be paid by D.D/direct transfer only. The payment can be made in by Demand Draft in favour of University of Petroleum and Energy Studies payable at Dehradun (INDIA) –Please write Conference Name, your Name on backside of DD and send to convener address.

Master Classes

The master classes will be held on June 16, the day before the formal opening of the conference. The masterclasses will provide a unique platform for young researchers to interact with the renowned experts and discuss their research work with them. Selection of the students and young scientists will be made based on the applicant's brief two-page CV and a short description (two-page) of his or her research work. Applications for master classes will be accepted upto 31 march 2016. For the themes and other details, please refer conference website.

Sponsorship

Reputed Organizations are invited to be one of the co-sponsors of the event by paying sponsorship fee. The conference shall provide unique opportunity to project the brand name of your organization to the benefit of practitioners and researchers alike, including field engineers, academicians, planners, health specialists, disaster managers, decision makers and policy makers engaged in various aspects of water resources and hydropower. Each sponsor will also be listed as a "Conference Co Sponsor" page on the conference website, display board near the venue of the conference, inside the conference program guide/souvenir and a range of other privileges. Sponsors are requested to fill the form available on conference website.

Important Contacts

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Accommodation

The Participants are requested to visit our conference website for details about the hotels. Room Booking & Payment will be done directly by the participants to the hotel.

How to reach

Dehradun is the capital city of the state of Uttarakhand in the northern part of India. It is well connected by Road, Rail and Air. The Institute is situated at 19 km from Dehradun Railway Station and 45 km from Airport (Jolly Grant). Local transport can be arranged on pre request basis.

ABOUT DEHRADUN

Dehradun - The capital city of Uttarakhand is a complete blend of city and hill culture. It is set in the foot hills of Himalayas nestled between two of India's mightiest rivers the Ganges and the Yamuna. It is well connected and in proximity to popular Himalayan tourist destination such as Mussoorie and the Hindu holy cities of Haridwar & Rishikesh, along with the Himalayan pilgrimage circuit of Char Dham – Kedarnath, Badrinath, Gangotri&Yamunotri. During the summers the temperature ranges between 36°C & 16°C, in winters the temperature lies in between 23°C and 5°C. (<http://dehradun.nic.in/>)

POST CONFERENCE TOURS

After the conference, tours can be arranged on payment basis. Interested participants can indicate their choice in the registration form. (the tentative cost can be fixed based on the number of interested participants)

| | | |
|--------|----------------------------|----------------------------------|
| Tour 1 | 19 th June 2016 | Visit to Haridwar & Rishikesh |
| Tour 2 | 19 th June 2016 | Visit to Mussoorie & Kempty Fall |
| Tour 3 | 19 th June 2016 | Dehradun Local Tour |

Excursions for accompanying persons can be arranged during conference dates through the tour operators on payment basis.



***National Conference on Water Resource engineering and Hydro-Power
WRHP – 2016***

June 17-18, 2016 at UPES, Dehradun

REGISTRATION FORM

Name: _____

Designation: _____

Name of Organization: _____

Department: _____

Address for correspondence: _____

_____ Pin: _____

Phone (Office): _____ Phone (Residence): _____

Mobile: _____ Fax: _____ Email: _____

Paper would be submitted: Yes / No Category: Paper Presenter/Delegate

Post Conference Tours

| | | | |
|--------|----------------------------|----------------------------------|--------|
| Tour 1 | 19 th June 2016 | Visit to Haridwar & Rishikesh | Yes/No |
| Tour 2 | 19 th June 2016 | Visit to Mussoorie & Kempty Fall | Yes/No |
| Tour 3 | 19 th June 2016 | Dehradun Local Tour | Yes/No |

(Amount will be payable in cash only at the time of conference)

Details of Registration Fee:

Demand Draft for Rs. _____ bearing No.: _____

Dated _____ **drawn in favour of "University of Petroleum and Energy Studies payable at Dehradun ,**

Date:

Signature:

Please send this form along with Demand draft preferable by Speed post to:

Dr. Vikas Garg

Professor & Head

Department of Civil Engg,

UPES, Bidholi, Dehradun-248001

Email: wrhp@ddn.upes.ac.in

Phone: 9690757370

National Conference on Water Resources engineering and Hydro-Power

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SPONSERSHIP FORM

Name of the Company/Organization: _____

Office Address: _____

Pin: _____

Telephone: _____ Fax: _____

Mobile: _____ E-mail: _____

Exhibition Stall Required: Yes/No

Stall Details: A cubicle of roughly 9 sq. m will be provided for the display of products.
Stalls are limited and will be allotted on first cum first served basis.

Details of Sponsorship Fee:

Demand Draft for Rs. _____ bearing No.: _____

Dated _____ **drawn in favour of "University of Petroleum and Energy Studies payable at Dehradun ,**

Dr. Vikas Garg

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