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Dept. Of Civil Engineering

Dr. P. Mahaboob Basha
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Dr. K.S. Geetha

IMPORTANT DATES

Submission of abstracts	: 20-05-2010
Notice of acceptance of abstracts	: 30-05-2010
Submission of full length paper	: 10-06-2010
Notification of acceptance of papers	: 12-06-2010

FOR ALL DETAILS, CONTACT- ORGANIZING SECRETARIES

Also visit www.wpsh2010.com

Abstracts and Full length papers may be submitted to

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INTERNATIONAL CONFERENCE ON WATER, PLUMBING SANITATION AND HEALTH: ISSUES AND CHALLENGES - A TRANSDISCIPLINARY APPROACH (WPSH-2010)

FIRST ANNOUNCEMENT

26-27, JULY, 2010
Bangalore, India

ORGANIZED BY

**DEPARTMENT OF CIVIL ENGINEERING
& DEPARTMENT OF ZOOLOGY
BANGALORE UNIVERSITY, BANGALORE-INDIA**



IN ASSOCIATION WITH
**INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS – INDIA**
IAPMO-HEADQUARTERS-USA

PREAMBLE

WATER PLUMBING SANITATION ISSUES

Over the course of the 20th century, it is generally believed that plumbing's link with public health became forgotten, at least in the developed nations of the world. People took the provision of clean water and effective sanitation for granted and paid little attention to the mechanics of how these functions were achieved. It was only when things went wrong that the plumber was called in and then, the services provided by the industry were largely seen as nuisance purchases. It could be argued that the industry itself has to take the blame for this loss of recognition as it effectively did too good a job in installing and maintaining effective and, above all, safe, water and sanitation systems.

New buildings increasingly incorporate advanced water conservation features and use of grey water and recycled water for non-potable purposes. Recent experiences highlight the negative impact of these sustainable practices on water quality at the tap. Water residence time in building plumbing can increase markedly, causing microbial growth, taste and odor problems, and elevated lead. In our experience, at some locations as much as 40 minutes of continuous flushing were needed before chloramine levels in the water main were observed at building taps.

Properly designed, installed, operated and maintained plumbing is an important intervention in ensuring access to safe drinking water. However, public health and safety can be compromised when harmful bacteria, viruses, parasites and other types of contaminants enter the water supply system either at source through seepage, as a result of a cross connection or from the piped materials that are in contact with the drinking water supply. One way to raise awareness of the public health role of plumbing would be for governments to ensure that the department effectively responsible for or the sponsor of the industry is that which deals with health.

HEALTH ISSUES AND CHALLENGES-RELATED TO LIVING ORGANISMS

An estimated Two million people die each year because of water related diseases. Uncontaminated water does not occur naturally except for few isolated cases, where the water sources are readily polluted by air or ground. Further Anthropogenic activities are being contributing to the toxic chemicals into the environment, including metals and metalloids, pesticidal residues, fertilizers, industries etc. and posing high risk on animals and humans. At higher concentrations, they interfere with metabolic processes of living beings bring alterations in the physiological systems. Most urgent need today is to increase the awareness on aspects connected to environmental, microbial and biotechnological issues.

The objective of the conference is to provide forum for deliberating issues connected to environment for active researchers, teachers, Industrialists and students to share information on emerging trends and technologies.

THEMES

WATER ISSUES

- ▲ Water Resources Assessment
- ▲ Water Demand-supply scenario
- ▲ Water Conservation and Audit
- ▲ Remote Sensing and GIS applications
- ▲ Groundwater Exploration and Exploitation
- ▲ Watershed & Wetland management-
- ▲ Rainwater harvesting

PLUMBING ISSUES

- ▲ Principles of Effective Plumbing systems
- ▲ Plumbing Goals
- ▲ Refurbishment of Plumbing Installations
- ▲ Plumbing fixtures & fittings, Safety & emergency fixtures
- ▲ Plumbing for Green Buildings
- ▲ Sewerage pumps & equipment ,
- ▲ Fire Fighting/ Suppression systems
- ▲ Role of Plumbers in Risk Assessment

HEALTH ISSUES AND CHALLENGES

- ▲ Water quality, pollution and Health
- ▲ Heavy metals and its impact on health
- ▲ Rural and Urban health governance
- ▲ Ecological risk assessment
- ▲ Toxicological risk assessment on living organisms
- ▲ Environmental Microbiology and Biotechnology

SANITATION ISSUES

- ▲ Sanitation and Sustainability
- ▲ Sanitation Beyond Toilets
- ▲ Sewerage System
- ▲ Storm Water Drainage
- ▲ Rehabilitation of water and wastewater systems
- ▲ Decentralized water supply and wastewater systems
- ▲ Wastewater treatment

Call For Papers

Papers are invited showing recent trends in the sub themes with a focus on cost effective and innovative technologies that can be replicated in the developing countries. Authors are requested to submit an abstract of their research work of not more than 500 words for review. The authors will be informed of the acceptance of the paper after review by the scientific programme committee. All submissions must be in electronic form and hard copy not later than 20-05-2010 along with registration fee along with a duly signed copyright form. The proceedings of the conference will be published as a supplementary issue in the peer reviewed journal.

Venue

Auditorium, Bangalore University Campus, Bangalore.

Registration Fee

	Indian National (Rs)	Foreign National (US\$)
Delegate	1000.00	200
Student delegate	800.00	100
Accompanying person	800.00	100
Delegates from industry	1500.00	300

Payment may be made through DD in favor of Organising Secretary, WPSH-2010 payable at Bangalore.

No TA/DA will be given to the Participants

Accommodation will be arranged on prior request.

Registration fee will include registration kit, accommodation, all meals and refreshments, cultural events, compendium and other literature.

To encourage the researchers there will be awards for Best Oral and Poster presentation

SOUVENIR AND EXHIBITION CUM BOOK FAIR : A souvenir detailing glimpses of the conference and the selected abstracts with special articles on the theme of WPSH- 2010 will also be released on the occasion. An exhibition cum book fair having products and services related to Sustainable Energy has been planned during the conference. Interested organizations/individuals dealing in efficient products, Power Equipments & Machines etc. can contact to the secretariat for booking the stalls.

ACCOMMODATION : On request the organizers will arrange reservation of accommodation and travel tickets provided they send the required amount well in advance. The details will be provided in the next circular. However, the delegates are requested to intimate their mode of travel and type of accommodation required as early as possible.

VISA : Participants from most of the countries will require a VISA to stay in India. A letter of invitation is usually required to apply a VISA and the same would be made available.

INSURANCE: Speakers and participants from abroad are requested to make their own arrangements in respect to health and travel insurance before commencing their journey.

INTERNATIONAL ADVISORY COMMITTEE

Megan C Lehtonen, President , GP-AEA, FIPA, California

Allen Inlow, Senior Director of IAMPO. India

Dr. M.S. Phani Kumar, Michigan State University, USA

Prof. G Ranganna, Former Dean, NITK Surathkal

Dr. N. Rudraiah, Former Vice Chancellor, Gulbarga University

Dr. A. K. Susheela , Fluorosis Research & Rural Development foundation, NewDelhi, India

Dr. Albert Burgstahler , Professor Emeritus, Lawrence, KS. USA

Dr. Paul Connert , Director, Fluoride action network, USA

Dr. S Prasad. Thenkabail, International Water Management Institute (IWMI) Colombo Sri Lanka



International Conference on

**WATER, PLUMBING SANITATION AND HEALTH:
ISSUES AND CHALLENGES - A TRANSDISCIPLINARY APPROACH
(WPSH-2010)**

JULY 26-27, 2010

REGISTRATION FORM

Name :

Designation :

Institution :

Address for Correspondence :

Telephone No. :

Fax :

E-mail :

Paper Presentation : ORAL / POSTER/ PARTICIPATION

If presenting Title :

:

Accommodation Required :

Enclosed herewith a DD No. for an amount of Rs.
.....(Rupees.....only) towards the Registration drawn in favour
of the Organising Secretary, WPSH-2010 payable at Bangalore.

Date

Signature

International Conference on

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