



AICE23

2ND ANNUAL INTERNATIONAL CONFERENCE & EXHIBITION 2023 “WATER SECURITY & SUSTAINABILITY”

OCTOBER, 6 & 7, 2023
AT THE LALIT HOTEL, JAIPUR

PROCEEDINGS



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CHIEF GUEST



Smt. D Thara, IAS
Additional Secretary

Ministry of Housing and Urban Affairs

INVITED GUEST



Mr. Avichal Chaturvedi, IAS
Mission Director

JJM, Rajasthan

INVITED GUEST



Mr. David LaFrance
Chief Executive Officer

American water Works Association, USA

Inaugural Session - 6th October 2023

0930 - 0945

Inauguration by Lighting of Lamp by the Dignitaries

0945 - 0955

Welcome Address by Mr Hemen V Patel, Chairman, AWWAIndia

1025 - 1040

Key Note address by The Chief Guest, Smt. D Thara, IAS, Addl. Secretary and National Mission Director (AMRUT), MoHUA

1040 - 1100

Inauguration of Exhibition by the Invited Guest Mr. David LaFrance

MESSAGE FROM THE CHAIRMAN:



Hemen V Patel
Chairman, AWWAIndia

AWWAIndia Association is proud to host AICE 2023, which brings together water professionals, experts and stakeholders to address the critical challenges facing our nation's water sector. With a focus on Water Security and Sustainability, we aim to chart a course toward a 'Better Water Country by 2047'. This conference underscores our commitment to advancing India's water infrastructure and ensuring access to safe and clean water for all. The conference shall be declared open by the Chief Guest Hon. Smt. D. Thara IAS, Additional Secretary, MOUHA, Government of India along with Invited Guest Mr. Avichal Chaturvedi IAS, Mission Director JJM, Rajasthan and Mr. David LaFrance, Chief Executive Officer, American Water Works Association, USA. I welcome all participants to this conference.

ORGANIZING COMMITTEE MEMBERS



Shirish Kardile
AWWAIndia



Prasana Shah
AWWAIndia



Nilaksh Kothari
AWWA, USA



Sushil Sethi Jain
AWWAIndia



Akhil Sonthalia
AWWAIndia



Parth Shah
AWWAIndia

CONFERENCE THEME

- **Achieving 24x7 Water Supply: Helping India Achieve 24x7 Water Supply Service** •
- **Implementing 24x7 Water Supply: Challenges & Mitigation Measures in Implementing 24x7 Water Supply System** •
- **Urban & Rural Water Management: Strategies & Policies for Sustainable Water Management** •
- **Water Pollution and Quality: Addressing Challenges related to Water Pollution** •
- **Rejuvenation of Water: Waste water / Grey Water Re-Cycle & Re-Use; Desalination** •
- **Institutional Development of all Stakeholders: Roles & Responsibilities, Capacity Building & Public Awareness** •
- **Integrated Water Resources Management: Strategies and Policies for Efficient & Sustainable Management Approaches of Water Resources** •
- **Water Conservation and Efficiency: Promoting Water Conservation Practices** •
- **Trans-Basin Water Issues: Water Security in Water Deficit, Water Surplus Regions & Inter-Basin Transfer of Water** •
- **Women in Water: The Role of Women in Water Management** •
- **Water and Technology: Exploring the Potential of Emerging Technologies** •

CONFERENCE SCHEDULE - DAY 1

Inaugral Session

0800 - 0920	Registration and Tea
0930 - 0940	Introduction of the dignitaries on the dias by Master of Ceremony, Mr Parth Shah , Director, AWWAIndia
0940 - 0945	Lighting of Lamp
0945 - 0955	Welcome Address – Mr Hemen V Patel, Chairman AWWAIndia
0955 - 1010	Address from AWWA, U.S. – Mr David LaFrance CEO, AWWA , USA
1010 - 1025	Address by Invited Guest , Mr. Avichal Chaturvedi IAS, Mission Director (JJM), Govt of Rajasthan
1025 - 1040	Key Note address by The Chief Guest, Ms D Thara, Addl. Secretary and National Mission Director (AMRUT), MoHUA (INVITED)
1040 - 1100	Group Photograph and Innaugration of Exhibition. Tea Break

Session TS-I: Achieving 24x7 Water Supply

Moderator: Mr Nilaksh Kothari, USA

1100 - 1115	Dr. Dhinadhayalan, Advisor, CPHEEO (INVITED) - 24X7 Water Supply AMRUT Mission
1115 - 1130	Dr. Colin Chung, Kayuga Solutions USA - Importance of Asset Management in 24x7 Water Supply Systems for reliability & Resiliency
1130 - 1145	Dr. Dharmendra Gill – HP, Jal Shakti Vibhag - Challenges in transformation of intermittent supply into 24x7 water supply
1145 - 1200	Mr Aniruddha Mishra, CEO Rarean Fluid-Tech Pvt Ltd - Achieving 24x7 water supply with PE pipes
1200 - 1205	Questions & Answers

Session TS-II: Water and World

Moderator: Dr. Dhinadhayalan, CPHEEO

1205 - 1220	Mr Bhavesh Kumar,ADB - Building water resilience - ADB's role and contributions
1220 - 1235	Ms.Isabelle Bardem, Chief, UNICEF Rajasthan State Office-Need for Inclusion Equity and Gender lens in Achieving Water Security and Sustainability
1235 - 1250	Mr Matt Robert - Robert Filters , USA - High Rate Treatment A Case Study in Saving Space & Capital

CONFERENCE SCHEDULE - DAY 1

Session TS-II: Water and World

Moderator: Dr. Dhinadhayalan, CPHEEO

- 1250 - 1305** Mr Vivek Kapadia – Rtd Director, Water Resource Department - Roles Of Water Professional in taking up challenges posed by climate change
- 1305 - 1310** Questions & Answers
- 1310 - 1400** **Lunch Break** - (Coupons for Spouses of Delegates will be available on payment at AWWA Counter at Conference Venue)

Session TS-III: Women In Water

Moderator: Mrs Garima Mittal , Black and Veatch , India

- 1400 - 1415** Blessing Isaiah, Mott McDonald – The Role Of Women In Water Management - Empowering Agents Of Suitable Development
- 1415 - 1430** Susan Franceschi, Chief Membership Officer, AWWA - DEI in America and global water industry
- 1430 - 1445** Adress by Punita, CPHEEO - Women in Water - Navigating Challenges, Forging Solutions
- 1445 - 1500** Adress by Mrs Shipra, PHED Rajasthan - Role of Women in Water Managment - Case study of PHED Rajasthan
- 1500 - 1505** Question & Answers - Open House

Session TS-IV: Success and Challenges in Implementing 24x7 WSS

Moderator: Dr Uday Kelkar, NJS Global

- 1505 - 1520** Ms. Garima Mittal, Black & Veatch Pvt Ltd - Sustainable Water Management: IoT & AI to Reduce NRW and Combat Water Pollution
- 1520 - 1535** Mr Bodhisattwa Dasgupta, JWIL - Achieving 24x7 Water Supply - Helping India Achieve 24x7 Water Supply Service
- 1535 - 1550** Mr Agam Mathur, MD STS - Challenges & Mitigation Measures In Implementing 24x7 Water Supply Service
- 1550 - 1605** Mr Snehalkumar Bokare, Bentley - Digital Twins for Water Infrastructure - A Sustainable Approach to Climate Change and Achieving Sustainable Development Goals with operational excellence
- 1605 - 1610** Question & Answers
- 1610 - 1630** TEA BREAK

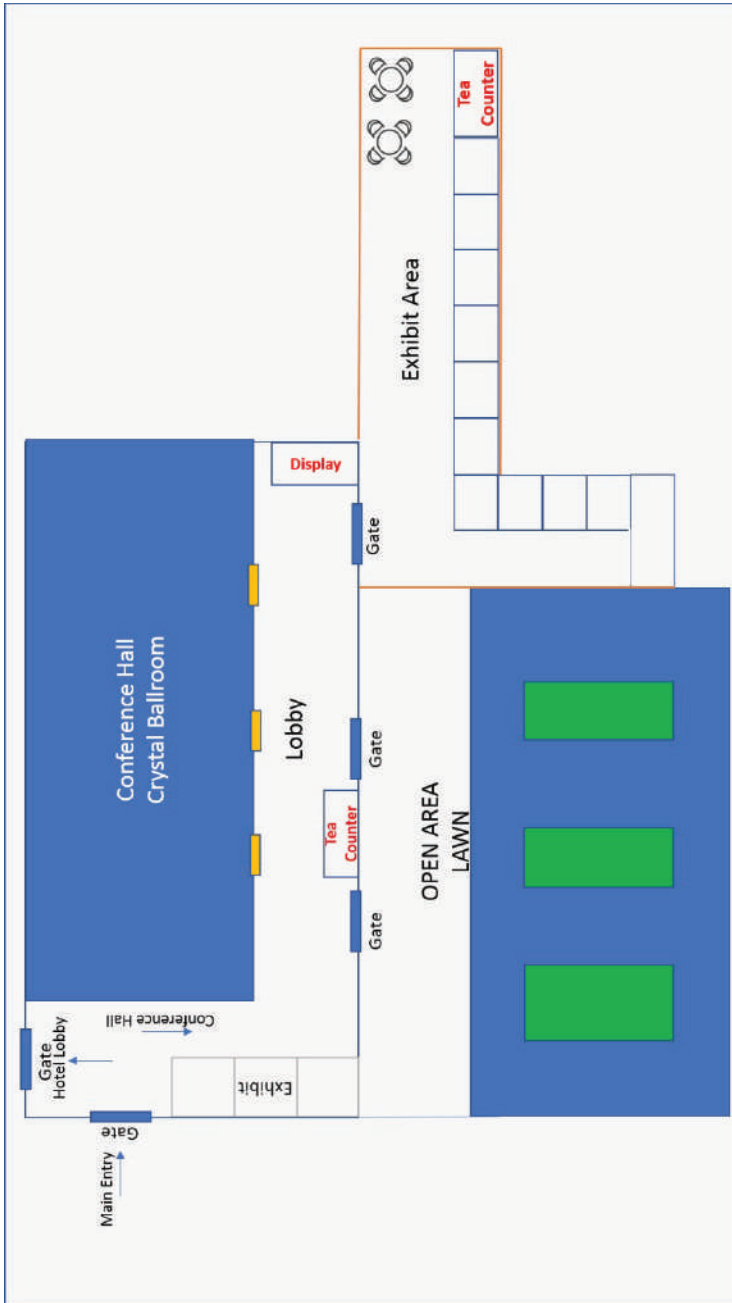
CONFERENCE SCHEDULE - DAY 1**Session TS-V: Water & Technologies****Moderator:** Dr Ramakant , DY Advisor CPHEEO

1630 - 1645	Patrik Franklin, Aqua Metrology USA Case Study – On-site Generated Reagents for the Removal of Heavy Metals
1645 - 1700	Dr Uday Kelkar, NJS Global , Japan - Evaluating the sustainability of direct potable reuse from Advance Tertiary Treatment of wastewater to meet United Nations SD6 Goal
1700 - 1715	Mr.Anil Rai - AECOM - Treatment Plant Design Using Advanced Stimulation Technique – A Review
1715 - 1730	Owais Farooqi – Black & Veatch Pvt Ltd - Digital Transformation Of Water Loss Control
1730 - 1735	Questions & Answers
1900 - 2200	Cocktails and Dinner - Hotel Lalit , Jaipur - (Coupons for Spouses of Delegates will be available on payment at AWWA Counter at Conference Venue)

Conference Venue - **The Lalit Hotel** - Crystal Ballroom

Note - The Schedule is subject to changes based on certain factors beyond the control of AWWAIndia Organisation. Updated schedules will be regularly put up on the AWWAIndia Organisation website.

EXHIBIT LAYOUT



CONFERENCE SCHEDULE - DAY 2

Opening Session

0930 - 0940	Introduction of the dignitaries on the dias by Master of Ceremony, Mr Parth Shah , Director, AWWAIndia
0940 - 0955	Key Note Address By Dr Pravin Kumar, Director Technical, NMCG, MoJS, GOI
0955 - 1010	Key Note address by Mr Alex Varghese IAS, Mission Director Amrut, Kerala

Session TS-VI: Urban & Rural Integrated Management

Moderator: Mr Hemen Patel , MD MMIPL , Ahemdabad

1010 - 1025	Praveen Ankodia – RUIDP, Jaipur - 24x7 Water Supply sustainable and institutional Reforms
1025 - 1040	Mr K B Singh, Chair, ASME Pipeline India Chapter – Technologies for Internal / External Corrosion Protection of Carbon Steel Water Pipelines - coatings and Cathodic Protection for as Sustainable Environment
1040 - 1055	Mr Hrushikesh Sandhe, Walter P Moore - Low Impact Development and integrated catchment approach
1055 - 1100	Questions & Answers
1100 - 1120	TEA BREAK

Session TS-VII: Best Practices & Stake holder Development

Moderator: Mr David LaFrance CEO, AWWA , USA

1120 - 1135	Mr Abhinav Patel, Aqua Pumps – Submerged Centrifugal Pumpsets (SCF), an Evolved Technology
1135 - 1150	Ms. Deshpande M , Motts India - Our Water Projects & Carbon Emission – Can We Reduce The Impact
1150 - 1205	Akansha Srivastava , HBTU Kanpur - Application of MOORA MCDM to carry out benchmarking of Indian water utilities
1205 - 1220	Satish Jain, SE, PHED Rajasthan – Water Conservation
1220 - 1235	Mr. Chandra Mohan MS – Pump Academy Pvt Ltd - An Artificial Intelligence (AI) enabled Internet of Things (IoT) based water pump station monitoring and management system with predictive maintenance system.
1235 - 1240	Questions & Answers
1240 - 1330	Lunch Break (Coupons for Spouses of Delegates will be available on payment at AWWA Counter at Conference Venue)

CONFERENCE SCHEDULE - DAY 2

Session TS- VIII: Rejuvenation of Water

Moderator: Mr Prasana Shah , Director STC , Mumbai

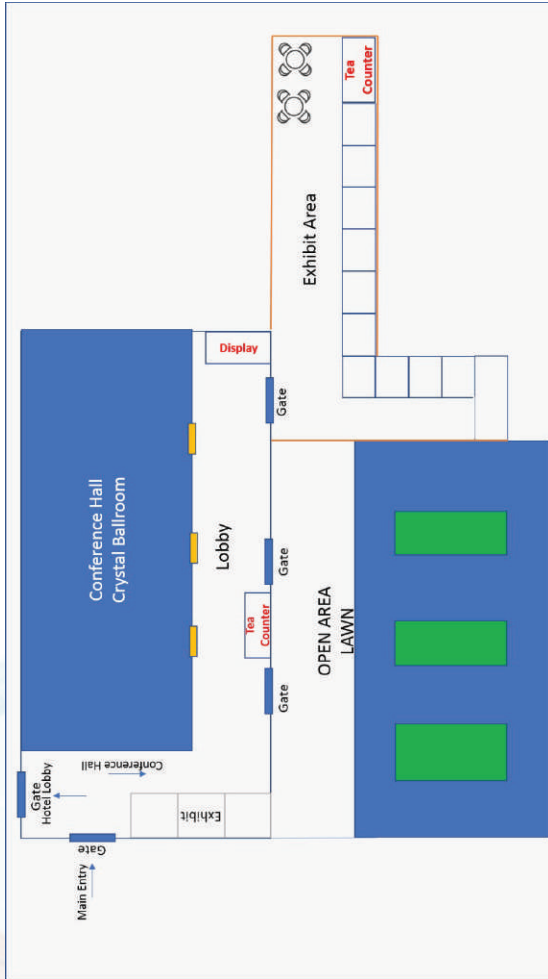
1330 - 1345	Ms Kato Maria, JICA, India Office - Integrated Water Resource Management and JICA's activity in India
1345 - 1400	Mr Joseph Ravikumar ,Independent water & sanitation specialist - Chennai's reuse attempts to improve water availability and become water source.
1400 - 1415	Mrs Maheshwari, Department of Biosciences, Manipal University Jaipur - Integrating Constructed Wetland with Microbial Desalination System for Effective Reverse Osmosis Reject Water Management.
1415 - 1430	Ms Sangeeta Gupta, Jacobs - Enhancing Water Resiliency - A Case Study on Recycled Water for Sustainable Development of Industrial Areas in Maharashtra
1430 - 1435	Questions & Answers
1435 - 1455	TEA BREAK

Session TS- IX: Water Pollution, Quality & Treatment

Moderator: Mr Akhil Sonthalia , Director Jalprahavika , Kolkata

1455 - 1510	Mr. Wadhwane, Water Utility Management Professional - Design & Implementation of 5 MLD & 7.5 MLD Tertiary Treatment Plant Projects for NMMC to recycle and reuse and secondary treated sewage.
1510 - 1525	Mrs Parul Goel, NJSEI - Wastewater Sludge (bio-solids) Management in Delhi
1525 - 1540	Ms Nishmitha,Central University, Kerla - Optimization of Waterborne Pathogens by Ozonation
1540 - 1550	Mr Dheerendra Rajpurohit, M.B.M University - A Review Study on removal of Nitrate by Adsorption Process using various natural and modified organic substrates.
1550 - 1600	Ms Lalita Solanki ,M.B.M University - A Study on removal of Fluoride from groundwater by Adsorption Technology
1600 - 1610	Mr Shyam Lal Choudhary ,M.B.M University - Water Quality Prediction by Artificial Intelligence Techniques - A Review
1610 - 1615	Questions & Answers
1615 - 1630	Closing Remarks by Chairman AIA and Conference Closure

EXHIBIT LAYOUT



HOST COMMITTEE FOR AICE 23, JAIPUR

- Mr. Arun Vyas, CE, RUDSICo (Local Host Committee Chair - AICE23)**
- Mr. Suresh Gupta, Rtd SE PHED & Consultant ADB.**
- Mr. Satish Jain, SE, PHED**
- Mr. Praveen Ankodia, SE, RUIDP**

ADVISORY COMMITTEE

- Mr. Nilaksh Kothari, Past President, AWWA USA**
- Mr. Uday Kelkar, MD & CEO, NJSEI, Sustaining Member - AIA**

SCHEDULE AT A GLANCE

Thursday, October 05, 2023

1300 – 1700	Conference Registration – Hotel The Lalit main lobby, Jaipur
1430 – 1630	Workshop on Advances in Technology and Automation for Water Treatment
1800 – 2100	Dinner at Choki Dhani for Invited Delegates

Friday, October 06, 2023

0925 – 1040	Inaugural Session
1040 – 1100	Exhibit Hall Inauguration
1100 – 1735	Technical Sessions
1900 – 2200	Cocktail & Dinner

Saturday, October 07, 2023

0930 – 1010	Second Day Opening Session
1010 – 1615	Technical Sessions
1615 – 1630	Closing Session



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