



Thai Water Expo 2024
The Regional's Leading Exhibition and Conference on
Water Resource Management and Wastewater Technology

Wednesday 3rd July – Friday 5th July 2024

6th Water Forum “Empowering Water and Environmental Technology for a Climate-Friendly Future in the Asia Pacific”

Thursday 4th July – Friday 5th July 2024

At Level 1, Conference Room MR110, Queen Sirikit National Convention Center (QSNCC)

Organised by:

CHULA ENGINEERING
Collaboration leads to Innovation



Co-located with:



Opening Ceremony 09.00-10.00 hrs. Thursday 4th July 2024

- 09.00-09.30 hrs. Arrival of attendees
- 09.30-09.35 hrs. Report on the Objective of Thai Water Expo 2024
Mr. Sanchai Noombunnam
Country General Manager of Informa Markets - Thailand
- 09.35-09.45 hrs. Welcoming Remark on “**Empowering Water and Environmental Technology for a Climate-Friendly Future in the Asia Pacific**” and Report on the Objective of the co-organize 6th Water Forum in Thai Water Expo 2024
Dean of Faculty of Engineering, Chulalongkorn University, Thailand
- 09.45-10.00 hrs. Opening Remark and Keynote Address on “**Policy on Water, Environment Management via Green & Smart Technology**”
Mr. Thalearnsak Petchsuwan
Deputy Permanent Secretary
Ministry of Natural Resources and Environment
- 10.00hrs. Official Opening Ceremony and Photo Opportunity

The Organiser reserves the right to amend the program without prior notice / Information as of 24 May 2024

ผู้จัดงานขอสงวนสิทธิ์ในการเปลี่ยนแปลงกำหนดการโดยไม่ต้องแจ้งให้ทราบล่วงหน้า/ ข้อมูล ณ วันที่ 24 พฤษภาคม 2567



6th Water Forum
The Regional Conference on Water and Wastewater Management
“Empowering Water and Environmental Technology for a Climate-Friendly Future in the Asia Pacific”

Thursday 4th July 2024

At Level 1, Conference Room MR 110, Queen Sirikit National Convention Center (QSNCC)

Executive Panel on Smart, Green Finance for a Climate-Friendly Future

Session by: Faculty of Engineering, Chulalongkorn University, Thailand

Chairman: Prof. Dr. Chavalit Ratanatamskul, Faculty of Engineering, Chulalongkorn University, Thailand

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| 10.30-10.40 hrs. | Welcoming Remark
Dean of Faculty of Engineering, Chulalongkorn University, Thailand |
| 10.40-11.00 hrs. | Topic: PTT Group Central Water Management: The Corporate Water Stewardship
Speaker: Mr. Pusit Itsarayanphong, Project Director of PTT Group Central Water Management
PTT Company Limited |
| 11.00-11.20 hrs. | Topic: Transforming Water Management for Climate Resilience Future
Speaker: Dr. Kanokwan Saswettecha
Project Manager
Agriculture and Food Cluster, GIZ Thailand |
| 11.20-11.40 hrs. | Topic: Water Financing for Green Society
Speaker: Fiona Elizabeth Stewart - World Bank |
| 11.40-12.00 hrs. | Discussion and Q&A |
| 12.00 hrs. | Lunch Break |

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Session I: Smart Water and Power Solutions: A Path to Sustainability

Session by: Thai Water Works Association (TWWA)

Chairman: Mr. Thatsit Sakulpong, Thai Water Works Association

Co-Chair: Mr. Natanon Meesuwan

Director of standard engineering division : Provincial Waterworks Authority

- 13.30–13.40 hrs. **Welcoming Remark**
President of Thai Water Works Association
- 13.40-14.10 hrs. Topic: **Initiatives for a Sustainable Society in OWSA: Renewal of Murano Water Treatment Plant and Reduction of Environmental Impact**
Speaker: Mr. Tomoya Kotani
Assistant Senior Staff
Osaka Water Supply Authority (OWSA)
- 14.10-14.40 hrs. Topic: **Reduce water footprint trough recycle technology**
Speaker: Mr. Akarin Prathuangsit
Chief Operating Officer
WHA Utilities and Power Public Company Limited (WHAUP)
- 14.40-15.10 hrs. Topic: **Reducing Non Revenue Water without The Need to Replace Pipes**
Speaker: Mr. Tom Postma
Owner of Technimex International BV, the Netherlands
- 15.10-15.55 hrs. Topic: **(Panel Discussion) Realizing Efficiency through Solar Integration and Pumping Optimization: A Case Study of the Metropolitan Waterworks Authority (MWA)**
Speaker: Mr. Supukkaj Bunnahirun
 Mr. Supawoot Tripasai
 Mr. Thatsit Sakulpong
Metropolitan Waterworks Authority (MWA)
- 15.55-16.00 hrs. Wrap up & End of session

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6th Water Forum
The Regional Conference on Water and Wastewater Management
***“Empowering Water and Environmental Technology for a Climate-Friendly Future
in the Asia Pacific”***

Friday 5th July 2024

At Level 1, Conference Room MR 110, Queen Sirikit National Convention Center (QSNCC)

09.30-10.00 hrs. Arrival of attendees

10.00-10.05 hrs. Welcome Remark
Mr. Sanchai Noombunnam
Country General Manager - Informa Markets - Thailand

Session II: Smart, Resilient Water Management Under Climate Change

Session by: Thai Hydrologist Association (Thai Hydra)

Chairman: Assoc. Prof. Dr. Bancha Kwanyuen

10.10-10.20 hrs. **Welcoming Remark**
President of Thai Hydrologist Association (Thai Hydra)

10.20-10.45 hrs. **Topic: A GIS and Analytical Hierarchy Process based Approach for
Suitability Analysis of Dam Location**
Speaker: Younghun Jung
Associate Professor, Department of Advanced Science and Technology
Convergence, Kyungpook National University, Sangju, South Korea

10.45-11.10 hrs. **Topic: Application of Hydrological Data for Water Management to Control
Salinity in Chao Phraya River**
Speaker: Adisorn Champathong (D.Eng)
Senior Expert on Hydrology
Royal Irrigation Department (RID)

11.10-11.35 hrs. **Topic: Experimental and numerical investigations on spatial variation of
water flow at confluence connected to non-orthogonal channels**
Speaker: Woochang Jeong
Professor, Department of Civil Engineering, Kyungnam University, South Korea

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11.35-12.00 hrs. **Topic: Advanced Intelligent Technology Based Smart Operating System for Sustainable Water Management in Thailand**
Speaker: Asst. Prof. Dr. Panuwat Pinthong
Department of Teacher Training in Civil Engineering
Faculty of Technical Education, King Monkut' s University of Technology
North Bangkok

Session III: Smart Wastewater Management for Carbon Reduction/Pollution Prevention
Session by: The Engineering Institute of Thailand Under His Majesty The King's Patronage (EIT)
Chairman: Assist. Prof. Pipat Pooripanyakun

13.30-13.40 hrs. **Welcoming Remark**
President of The Engineering Institute of Thailand Under His Majesty The King's
Patronage (EIT)

13.40-14.10 hrs. **Topic: Smart Water Policy for Industrial Estate in EEC area**
Speaker: Mr. Kanapot Khunthong
Deputy Governor, Industrial Estate Authority of Thailand (IEAT)

14.10-14.40 hrs. **Topic: Analysis of Microplastic Transport Characteristics in Paldang Lake Using the MPT-Q3D Model**
Speaker: Inhwon Park
Assistant Professor, Department of Civil Engineering, Seoul National University of
Science and Technology, Seoul, South Korea

14.40-15.10 hrs. **Topic: Bring Wastewater Treatment to the Net-zero Carbon Society**
Speaker: Mr. Mohamad Hairi bin Basri
Deputy President, The Malaysian Water Association

15.10-15.40 hrs. **Topic: Optimisation Techniques for Wastewater Pumping Technology**
Speaker: Mr. Ito (Global System Engineering Section, Ebara Corporation)

15.40-16.00 hrs. **Topic: Transforming the waste water management under the climate change**
Speaker: The Thai-Swedish Water Alliance
Mr. Prasit Sriadsadawutthakul
Ms. Kantinan Thawenuch

16.00-16.10 hrs. Wrap up & End of session

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