

INDUSTRIAL WATER FORUM | 13 AUGUST 2024

Corporate water strategy:

How industry overcomes challenges when investing in water efficiency

The Industrial Water Forum's purpose is to engage, inspire and share knowledge on corporate water strategy across industrial and regulatory sectors.

Industry is a large consumer of water and energy, with > 22 % of the total global water withdrawals being used for industrial purposes. This is projected to increase rapidly over the next years and decade. Decreasing availability of clean water is a risk many industries face across north America and many other regions and, as < 15 % of industrial water is being reused, there is a massive potential. While this problem is global, the solutions are highly local; to solve this water & energy nexus, it is crucial for collaboration across technology providers, governors, regulators and industries.

The Forum will be a place for fostering collaboration, sharing best practices, and exchanging ideas on how to overcome barriers to accelerate actions on more efficient water usage under the common theme of 'Reduce, Reuse and Reclaim'.



Learning outcome for participants

- Gain a broad overview of sustainable water management across industries – success stories from industry utility leaders
- Understand increase in stringent regulations and legislations to meet the water discharge requirements from regulators
- Explore emerging solutions that enable scale-up and real-world application by technology solution providers
- Identify future research collaboration needed to advanced technologies for a circular economy by academic professionals

2024 Lead Organisers

Youngseck Hong

Veolia Water Technologies and Solutions, Canada,
Chair

Michael Skovgaard

Grundfos, USA, Co-Chair



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AGENDA

10:30 – 12:00 | SESSION 1

MODERATOR: JAY STELLMARCHER, GRUNDFOS

- **Keynote Speaker**

How industry, utility and research institutes can innovate and collaborate to overcome the Water and energy nexus

Seth Darling, Chief Science & Technology Officer, Argonne National Lab

- **Industry Best Practice**

- Case story from end-user

CEO Water Mandate Engagement Opportunities

Jason Morrison, President, Pacific Institute; Head, UN Global Compact CEO Water Mandate

- Case story from consultancy Rambøll

Best practice trends in Industry with end-user challenges

Patrick J. Campbell and **Rene Hoeijmakers**, Rambøll

13:30 – 15:00 | SESSION 2

MODERATOR: WALTER KOZLOWSKI, XYLEM

- **Research and Technology**

How to manage challenge of PFAS and emerging contaminants

Mohamed Ateia Ibrahim, Environmental engineer & Group Leader, USEPA/Rice University

- **New information**

Data-Driven Cooling Tower Optimisation: A Comprehensive Analysis of Energy Savings using Micros and Filtration

Alain Silverwood, Technical Director, Xylem

- **Research institute**

Resource recovery from high strength wastewaters: expanding the product spectrum for a circular economy

Christopher Lawson, Assistant Professor, University of Toronto

15:30 – 17:30 | SESSION 3

MODERATOR: ERIC ROSENBLUM, ENVIROSPECTIVES

- **Panel debate featuring industry experts, researchers, and regulators**

Strategies to overcome long return on investment in water technologies, and ways to share responsibility and risk effectively.

Panellists: **Michael Theodoulou** (Veolia), **Seth Darling** (Argonne National Lab), **Mohamed Ateia Ibrahim** (USEPA), **Christopher Lawson** (University of Toronto), **Michael Skovgaard** (Grundfos) and **France Guertin** (Dow).

- **Networking Event**

Discussion and Drinks

