

Sunday 28th June 2026 (09:00-22:00)

Location: Haskoning—former Mining Faculty on the TU Delft Campus, Mijnbouwstraat 120

13:00–	Registration
13:30–15:00	Workshops (parallel) <ul style="list-style-type: none"> • Enabling Water Circularity and Management: Feasibility, Finance and Practice. Mehak Puri and Arpita Amarnani (Centre for Excellence in Sustainable Development, Goa Institute of Management, India) • Stewardship finance workshop to involve industries in water management projects. Bram Ooms (Water Opleidingen, the Netherlands) • Data-Driven Water Stewardship: Certification as a Structured Pathway to Water Positivity. Shabnam Bassi, Akash Deep, Moumita Ghosh and Tarishi Kaushik (GRIHA Council, India)
15:00–15:30	Coffee Break
15:30–19:00	Courses (parallel) <ul style="list-style-type: none"> • Electrochemical and Hybrid Technologies for Wastewater Treatment and Resource Recovery - Sanjeeb Mohapatra, Jules van Lier, David Vermaas, Ivan Buijnsters (TU Delft), Jouke Dykstra (WUR), Tuur van der Einde (Nijhuis), Jasper Schakel (CIWI). • Life Cycle Assessment as a Decision-Support Tool for Industrial Water and Wastewater Projects Using openLCA. - Nooshin Barzegar Marvasti (University of Birmingham), and Aashlesha Chekkala (BITS Pilani-Goa)
19:00–22:00	Welcome Reception
19:30–19:45	Welcome speech <u>Kala Vairavamoorthy</u> , Executive Director, International Water Association
19:45–22:00	Drinks and Food (Networking)

Monday 29th June 2026 (08:00-17:30)

Location: Delft University of Technology (TU Delft) – Aula, Mekelweg 5, 2628 CC Delft

Chairpersons: Yongjun Zhang (Nanjing Tech University) & Henri Spanjers (TU Delft)	
08:00	Registration
09:00–09:30	Performance (plenary)
09:30–10:00	Opening speech (plenary) <u>Geoff Townsend</u> , Water Europe Chair of the Water-Smart Industries Community of Practice. Water stress across Europe: challenges for the industry
10:00–10:45	Keynote 1 (plenary) Keynote: <u>Christophe Lasseur</u> , European Space Agency, head of MELiSSA program — Mission to Mars, the ultimate example of a circular economy?
10:45–11:15	Break
11:15–12:00	Keynote 2 (plenary) <u>Guido Janssen</u> , CEO Nyrstar and <u>Iris Janssen</u> , Haskoning DHV. Water challenges in industry at different corners of the world: challenges and solutions
12:00–12:30	Group Photo

Lunch (Workshop parallel): 12:30 - 14:00

- Building the bridges— Comprehensive Water Stewardship Plan for Industrial Resilience in Water-Stressed Basins. Basja Jantowski and Lourens Meijer (Haskoning, Unilever, the Netherlands)
- Humber UK Case Study of the implications of no water available for Industry: How can we ensure growth in the sector whilst protecting the environment and ensuring enough water for people? Liz Cairns, Jenny Marshall-Reed, and Matt Woollin (Environment Agency, United Kingdom)

Sessions 1 & 2 (Monday 29th June 2026, 14:00-15:30)

Industrial Effluent: Treatment Chairpersons: Ingrid Pinel (Lenntech) & Sovik Das (IIT Delhi) Room No.		Resource and Energy Recovery Chairpersons: Jan Appelman (Haskoning) & Jules van Lier (TU Delft) Room No.	
14:00-14:20	ID 115 – <i>BODAC®; A sustainable biological regenerable activated carbon filter for biofouling control and micropollutant removal</i> – Wilbert Menkveld, Nijhuis	14:00-14:20	ID 134 – <i>Boosting Biogas Production with a Non-Conventional AnSBR Treating Protein- and Lipid-Rich Wastewater: Pilot Evaluation</i> – Julian Munoz Sierra, KWR Water Research Institute
14:20-14:40	ID 69 – <i>Chemical-Free Scaling Control as RO Pretreatment: Performance Gains Across Fresh, Brackish and Seawater Desalination</i> – Chris Rose, Sidon Water Ltd.	14:20-14:40	ID 142 – <i>Plastic Contamination as a System-Level Constraint on Circular Sludge Valorization: Secondary Synthesis Across SCFA, Hydrogen, and Methane Pathways</i> – Nayab Farooqi, University of New South Wales (UNSW)
14:40-15:00-	ID 50 – <i>Learnings from the pilot testing of innovative technologies for the removal of marine plastic litter</i> – Harsha Mysore, BlueXPRT	14:40-15:00	ID 39 – <i>Extraction of silica aerogel by acid-base reaction from coal gasification slag for lead adsorption</i> – Bingyang Xun, Anhui University of Science and Technology
15:00-15:20	ID 36 – <i>Leather Industry Wastewaters: Performance of Polymer-Based Hybrid Materials in Coagulation-Flocculation and Sludge Reduction</i> – Begüm Uzluk, Boğaziçi University	15:00-15:20	ID 17 – <i>Sustainable Treatment of Pharmaceutical Wastewater through a Native Microalgal Consortium with Biomass Valorisation Potential</i> – Ghulam Mujtaba, Dawood University of Engineering & Technology
15:20-15:25	Pitch 1	15:20-15:25	Pitch 3
15:25-15:30	Pitch 2	15:25-15:30	Pitch 4

15:30-16:00 Coffee Break (Poster Presentation)

Sessions 3 & 4 (Monday 29th June 2026, 16:00-17:30)

Industrial Effluent: Biological Treatment Chairpersons: Ran Shang (Biothane) & Yeyuan Xiao (Shantou University) Room No.		Resource and Energy Recovery (Cont.) Chairpersons: Matthias de Cazes (Yara International) & Bingyang Xun (Anhui University of Science and Technology) Room No.	
16:00-16:20	ID 34 – <i>Anaerobic Treatment of Waste(water) from the Chemical Industry</i> – Meenakshi Prasad, Covestro Deutschland AG	16:00-16:20	ID 30 – <i>From nitrogen-rich process condensates to fertilizer</i> – Arjen Kok, Evides Industrierwater
16:20-16:40	ID 15 – <i>Rapid Formation of Aerobic Granules for Enhanced Bioaugmentation in Industrial Wastewater Nutrient Removal</i> – Hansani Wahalathanthrige, University of Southampton	16:20-16:40	ID 72 – <i>Ammonium removal and recovery from industrial digestates</i> – Tjark Holst, Lenntech B.V.
16:40-17:00-	ID 92 – <i>Full-Scale Application of Anaerobic Sequential Batch Reactor for Efficient Treatment of High-Fat Ice Cream Wastewater</i> – Ran Shang, Veolia Water Tech	16:40-17:00	ID 117 – <i>Towards Chemical-Free Nitrogen Recovery: Advancing Resource-Recovery Oriented Wastewater Treatment</i> – Tuur van den Eijnde, Nijhuis
17:00-17:20	ID 95 – <i>Reducing N₂O Emissions in Wastewater Treatment with Pure Oxygen Aeration: A Full-Scale Study</i> – Izba Ali, Air Liquide	17:00-17:20	ID 9 – <i>Micro-grinded organic wastes polymer composite “Banana or Pomegranate and Poly vinyl Chloride” for dye removal and recovery</i> – Ahmed Labena, Egyptian Petroleum Research Institute
17:20-17:25	Pitch 5	17:20-17:35	C1. Potable Water from Industrial Effluent in the Food Industry - Operational experience with Closing the Waterloop – Wilbert Menkveld, Nijhuis
17:25-17:30	Pitch 6		

Tuesday 30th June 2026 (09:00-18:30)

Location: Delft University of Technology (TU Delft) – Aula, Mekelweg 5, 2628 CC Delft

Session 5 (Tuesday 30th June 2026, 09:00-10:30)

Industrial Effluent: Reuse	
Chairpersons: Thomas Track (Dechema e.V.) & Roy van Lier (Yara Sluiskil)	
Room No.	
09:00-09:30	Keynote: <u>Kees van der Voort Maarschalk</u> , Science Director at Royal Avebe. Dealing with water scarcity, it is not necessarily water re-use: An industry perspective
09:30-09:50	ID 45 – <i>Evaluation of advanced treatment trains for agri-food wastewater reuse across different food sectors</i> – Isabella Muñoz, University of Vic - Central University of Catalonia
09:50-10:10	ID 96 – <i>Industrial Wastewater Reclamation in Cosmetics Industry</i> – Rosario Gomes, Lenntech BV
10:10-10:30	ID 37 – <i>Optimizing Water Sourcing Strategies for Large-Scale Hydrogen Production: Balancing Cost, Reliability, and Environmental Impact</i> – Elizabeth Carlisle, Wageningen University & Research

10:30-11:00 Coffee Break (Poster Presentation)

Sessions 6 & 7 (Tuesday 30th June 2026, 11:00-12:30)

Industrial Effluent: Reuse (Cont.) Chairpersons: Dores Cirne (VITO NV) & Isabella Muñoz (University of Vic - Central University of Catalonia) Room No.		Company Case Presentations Chairpersons: Henri Spanjers (TU Delft) & Yongjun Zhang (Nanjing Tech University) Room No.	
11:00-11:20	ID 86 – <i>From wastewater to process water: a novel reutilization system of stripped water</i> – Zixian Wang, CNPC Research Institute of Safety and Environment Technology	11:00-11:15	C2. <i>Waterbank Agriport: A Large-Scale Rainwater Storage and Reuse System for industry and horticulture – Releasing pressure on the drinking water supply.</i> – Coen Geerligs, ECW Energy
11:20-11:40	ID 106 – <i>Integrated MBR-RO process for water recycling at a multi-user manufacturing site in Ho Chi Minh City at demonstration-scale</i> – Norman Schweimanns, Technische Universität Berlin	11:15-11:30	C3. <i>Industrial Brine Treatment by Crystallization-Optimized Membrane Distillation: From Concept to Application Cases</i> – Norbert Kuipers, Wageningen University
11:40-12:00	ID 93 – <i>Treatment and Reuse of Piggery Effluent: Integrating Solar & Recycled Combustion Gases in a Bubble Column Evaporator</i> – Adrian Garrido Sanchis, University of New South Wales (UNSW)	11:30-11:45	C4. <i>Demineralization Unit Performance Troubleshooting</i> – Utku K Karani, OQBI
12:00-12:20	ID 123 – <i>Water reclamation for industrial use potential for Maputo</i> – Noor Jehan Gulamussen, duardo Mondlane University	11:45-12:00	C5. <i>Water Management at Linde Gas: Globally addressing water stress to ensure plant reliability</i> – David Miklos, Linde GmbH
12:20-12:25	Pitch 7	12:00-12:15	C6. <i>Water Transition 1: Reducing Industrial Water Intake Through Utility–Industry Collaboration.</i> – Nienke Peek, Vitens
12:25-12:30	Pitch 8	12:15-12:30	C7. <i>Water Transition 2: Reducing Industrial Water Intake Through Utility–Industry Collaboration.</i> – Nienke Peek, Vitens

Lunch (Workshop parallel): 12:30 - 14:00

- Water Efficiency in the Industry: Practical Pathways to Circular Industrial Water Use (Johann Poinapen-KWR, Julian Munoz-KWR, Iyaylo Hitsov-University Ghent)

- Building the Business Case for Circular Industrial Water Management Investments at Site Level. (Cejna Anna Quist-Jensen, Thomas Track, Ken Stockil Colm Gaskin, Aisling O'Connor, Bettina Muster, Christoph Höfer, Andres Lucht (Denmark, Germany, Ireland, Austria))

Sessions 8 & 9 (Tuesday 30th June 2026, 14:00-15:30)

Advanced Oxidation-based Treatment Techniques Chairpersons: Izba Ali (Air Liquide) & Anlin Xu (Nanjing Tech University) Room No.		Membrane-based Resource Recovery Chairpersons: Stylianos Flambouris (Lenntech) & Niels van Linden (Lenntech) Room No.	
14:00-14:20	ID 40 – <i>AnMBRs Coupled with Advanced Oxidation for Removal of Antibiotics and Membrane Fouling Control</i> – Yeyuan Xiao, Shantou University	14:00-14:20	ID 11 – <i>3D Spiral-wound Evaporative Crystallizer for Robust Li Extraction from High Mg/Li Ratio Brine</i> – Hoai Vu, Tsinghua University
14:20-14:40	ID 47 – <i>Catalytic ozonation with high-entropy oxides for water treatment</i> – Anlin Xu, Nanjing Tech University	14:20-14:40	ID 18 – <i>High-Performance Nanofiltration Membranes for Lithium Extraction from Water via Positively Charged Silica Nanoparticle Modification</i> – Amir Aghaei, University of Alberta, National Research Council Canada (NRC)
14:40-15:00	ID 25 – <i>Regulating Radical and Non-Radical Oxidative Pathways for Efficient As(III) Oxidation Using a PDS-Enhanced Fe(III)/S(IV) System</i> – Shuang Liu, Chongqing Jiaotong University,	14:40-15:00	ID 59 – <i>Water and resource recovery from industrial effluents using oscillatory flow-enhanced membrane distillation (OMD)</i> – Mauricio Fragali Pane, AEE INTEC
15:00-15:20	ID 98 – <i>1,4-Dioxane treatment in industrial wastewater using ozone-based advanced oxidation</i> – Charlotte Bopp, Veolia Water Tech	15:00-15:20	ID 80 – <i>Development and characterization of ultrafiltration membranes made with residual polymers: Phase inversion method application</i> – Paola Andrea Alvizuri Tintaya, Universidad Católica Boliviana San Pablo
15:20-15:25	Pitch 9	15:20-15:25	Pitch 11
15:25-15:30	Pitch 10	15:25-15:30	Pitch 12

15:30-16:00 Coffee Break (Poster Presentation)

Sessions 10 & 11 (Tuesday 30th June 2026, 16:00-17:30)

Materials for Industrial Water Treatment Chairpersons: Rebecca Dhawle (Nijhuis Saur Industries) & Merle de Kreuk (TU Delft) Room No.		Membrane-based Resource Recovery (Cont.) Chairpersons: Norbert Kuipers (Wageningen University & Research) & Mohammad Karimi (Amirkabir University of Technology) Room No.	
16:00-16:20	ID 127 – <i>Tuning MnO₂ phases with biochar during catalytic ozonation: synthesis, performance and mechanism</i> – Siyan Fan, Technische Universität Berlin	16:00-16:20	ID 99 – <i>Recovery of gadolinium sulphate octahydrate salt under super saturated condition using nanofiltration</i> – Stylianos Flambouris, Lenntech BV
16:20-16:40	ID 12 – <i>Natural Carbon Sources for Sulphate-Reducing Bioreactors: Implications for Acid Mine Drainage Remediation</i> – Ayanda Shabalala, University of Mpumalanga	16:20-16:40	ID 129 – <i>Recovery of Hyper Saline Wastewater using Hybrid Forward Osmosis – Membrane Distillation (FO-MD)</i> – Veerabhadraiah Gudideni, Aramco
16:40-17:00	ID 112 - <i>Bridged Polysilsesquioxane-Magnetite Adsorbents with Tunable Amino/Thiol Interfaces for Multicontaminant Water Treatment</i> - Inna Melnyk, Institute of Geotechnics SAS	16:40-17:00	ID 61 – <i>Advanced water recovery from groundwater NF concentrate</i> – Ingrid Pinel, Lenntech
17:00-17:20	ID 19 – <i>Sustaining Activated Sludge Bio-Reactors During Plant Shutdown Using Methanol: A Cost-Effective Novel Industrial Strategy for efficient start-up of Industrial ETP</i> – Piyush Verma, HPCL	17:00-17:20	ID 126 – <i>BiOI–ZnO Heterojunctions Integrated PES Ultrafiltration Membranes for Photocatalytic Degradation and Separation of Contaminants of Emerging Concern</i> – Akshay Kulkarni, Leibniz Institute of Polymer Research
17:20-17:25	Pitch 13	17:20-17:25	Pitch 15
17:25-17:30	Pitch 14	17:25-17:30	Pitch 16

17:45–18:30 Open meeting of the IWA Specialist Group “Treatment of Industrial Waters”

Wednesday 1st July 2026 (09:00-17:30)

Location: Delft University of Technology (TU Delft) – Aula, Mekelweg 5, 2628 CC Delft

Sessions 12 (Wednesday 1st July 2026, 09:00-10:30)

Industrial Water-Saving Strategies Chairpersons: Goksen Capar (Ankara University) & Anurag Garg (IIT Bombay); Room No.		Industrial Water Forum by Isle Group Chairpersons: To be confirmed Room No.	
09:00-09:20	ID 103 – <i>Water and Wastewater Streams and Reuse Opportunities in TOPCon Solar Cell Production</i> – Peter Brailovsky, Fraunhofer Institute for Solar Energy Systems	09:00-09:45	Reduce, Reuse, Recycle, Reclaim — Closing the Industrial Water Loop <i>Regulatory pressure, investor scrutiny and basin-level stress are forcing industries to rethink their relationship with water, moving to a model built around the four Rs: reduce consumption, recycle, reuse within operations, and reclaim for wider benefit.</i> - Alejandro Sarmiento, Inditex (TBC) - Michelin (TBC) - Ecolab (TBC)
09:20-09:40	ID 120 – <i>Recent advances in Industrial Water Reuse: Technological outcomes of pulp and paper end-of-pipe wastewater reuse and brine management</i> – Sem Schrijer, Nijhuis Saur Industries		
09:40-09:55	C8. <i>Water Efficiency Framework developed as part of the project AQUASPICE</i> – Johann Poinapen, KWR Water Research Institute	09:45-10:30	Optimising Industrial Water Systems — Efficiency opportunities in cooling towers, boilers and site water circuits <i>This session looks at how industrial operators can improve the efficiency and reliability of critical plant water systems, from cooling towers and boilers to process water loops, while reducing consumption, improving water quality control and supporting broader water efficiency goals.</i> - Tommaso Marengo, Ferrero (TBC) - Aurelie Grelot, Cargill (TBC) - Jean Garandel, Subject Matter Expert (TBC)
09:55-10:10	C9. <i>Reuse of Garmerwolde municipal effluent for industrial processes.</i> – Hannah van der Wal, WLN		
10:10-10:25	C10. <i>Salt Removal / Reducing Industrial Water Intake</i> – Rosan van Wyngaard, Proxa Water South Africa		
10-25-10:30	Pitch 17		

10:30-11:00 Coffee Break (Poster Presentations)

Sessions 13 (Wednesday 1st July 2026, 11:00-12:30)

Electrochemical Treatment Techniques Chairpersons: Andréa Moura Bernardes (Federal University of Rio Grande do Sul) & Sanjeeb Mohapatra (TU Delft) Room No.		Industrial Water Forum by Isle Group (Cont.) Chairpersons: To be confirmed Room No.	
11:00-11:20	ID 43 – <i>Integrated Adsorption–Electrochemical Oxidation for Enhanced Pharmaceutical Wastewater Treatment</i> – Orlando Garcia-Rodriguez, NUS Environmental Research Institute, National University of Singapore	11:00-11:45	From Pilot to Practice — Industry Case Studies in Water Innovation <i>The most valuable knowledge in any industry forum does not come from polished presentations — it comes from peers who have tried things and are willing to be honest about the results. This session is dedicated to practitioner-led case studies from member organisations.</i> - Jozef Kochan, Clariant - Georg Stockinger, Shell - Mattias Espanet, STMicroelectronics (TBC)
11:20-11:40	ID 57 – <i>Towards Safe Discharge: Electrochemical Degradation of Antibiotics in Concentrated Aquaculture Effluents</i> – Salatiel da Silva, NESA, PPG-IPH, Federal University of Rio Grande do Sul		
11:40-12:00	ID 104 – <i>PFAS occurrence and removal in semiconductor wastewater using electrochemical oxidation</i> – Tom Ducrocq, ICRA	11:45-12:20	Making Technology Work in the Real World — Water Conditioning and Wastewater Treatment at Scale <i>Which technologies hold up in complex, real-world industrial environments, and how do you select, procure and integrate them successfully?</i> - Jozef Kochan, Clariant - Georg Stockinger, Shell - Evides Industriewater (TBC)
12:00-12:20	ID 49 – <i>Bridging the gap from lab to implementation – a decade of applied research in electrochemical oxidation of real industrial wastewater</i> – Olivier Lefebvre, National University of Singapore		
12:20-12:25	Pitch 18	12:20-12:30	Wrap-Up & Conclusions ● Key takeaways and Closing remarks
12:25-12:30	Pitch 19		

12:30–14:00 Lunch Break

Sessions 14 and 15 (Wednesday 1st July 2026, 14:00-15:30)

Water policies and industrial symbiosis Chairpersons: Hans Cappon (HZ University of Applied Sciences) & Joshua de Jong (Aquaminerals) Room No.		Electrochemical-based Valorization Chairpersons: Olivier Lefebvre (NUS) & Julian Munoz Sierra (KWR) Room No.	
14:00-14:20	ID 23 – <i>A novel framework for water reclamation in the petrochemical industry</i> – Tamara Elizabeth Leon Oviedo, Cetaqua, Water Technology Center	14:00-14:20	ID 6 – <i>Electrochemical Treatment of Industrial Water Pollutants: Directed Transformation and Resource Recovery</i> – Huiling Liu, Xiangtan University
14:20-14:40	ID 33 – <i>A Strategic Framework For Membrane-Based Water Recovery in the Textile Industry</i> – Mohammad Karimi, Amirkabir University and Technology	14:20-14:40	ID 10 – <i>Coupling Granular Ferric Hydroxide and 3D Cathode for Enhanced Electrochemical Water Softening and Antiscalant Recovery</i> – Jiayu Luo, Southern University of Science and Technology
14:40-15:00	ID 138 – <i>From Linear to Circular: The development and application of a Water Efficiency Framework at Dow production locations</i> – Johann Poinapen, KWR Water Research Institute	14:40-15:00	ID 85 – <i>Selective Nitrate Recovery from Chloride-Rich Wastewater via Ion Exchange and Bipolar Membrane Electrodialysis</i> – Mojtaba Torkaman, Fraunhofer Institute for Environmental, Safety and Energy Technology UMSICHT
15:00-15:20	ID 114 – <i>Water Efficiency Evaluation in a Rapidly Expanding Organized Industrial Zone in Türkiye</i> – Goksen Capar, Ankara University	15:00-15:20	ID 109 – <i>SmartBrine: Feasibility of SWRO brine valorization in northeastern Brazil</i> – Marcos Bruno Colombo, NHL Stenden University of Applied Sc.
15:20-15:25	Pitch 20	15:20-15:25	Pitch 22
15:25-15:30	Pitch 21	15:25-15:30	Pitch 23

15:30-16:00 Coffee Break (Poster Presentations)

Young Water Professionals (Plenary) (Wednesday 1st July 2026): 16:00-17:30

Chairpersons: Begüm Tanis & Sanne Smith	
Room No.	
16:00–16:15	Introduction by the director of the local water authority
16:15–17:30	Panel discussion with young water professionals: Water for industry, industry for the future Ruizhe Pei – University of Vienna Hanneke Spijkerboer – Aviko Pooja Halvawala – Lenntech Water Treatment Solutions
17:30-	Drinks & pub quiz

18:00–19:30 Management Committee meeting of the IWA Specialist Group “Treatment of Industrial Waters” (by invitation only)

Thursday 2nd July 2026 (09:00-15:30)

Location: Delft University of Technology (TU Delft) – Aula, Mekelweg 5, 2628 CC Delft

Sessions 16 & 17 (Thursday 2nd July 2026, 09:00-10:30)

Digitalization and Smart Control Chairpersons: Paul Schausberger (UNIHA Wassertechnologie GmbH) & Moumita Ghosh (GRIHA Council) Room No.		Industrial Water Pollutants: PFAS Chairpersons: Tom Ducroqc (ICRA) & Henk Walpot (Chemours) Room No.	
09:00-09:20	ID 32 – <i>Data-driven reinforcement learning for multi-stream wastewater pH control in pulp and paper industry</i> – Muhammad Momotazul Islam, Fraunhofer Institute for Ceramic Technologies and Systems IKTS	09:00-09:20	ID 22 – <i>Integrated Nanofiltration and Regenerable Ion Exchange for PFAS Removal in the Industrial Laundry Sector supporting water reuse</i> – Dores Cirne, VITO NV
09:20-09:40	ID 44 – <i>Field Implementation of an Automated Clarifier Sludge Measurement System Using PLC–IoT Integration and Image Processing for Water Treatment Operations</i> – Kitikun Klungphon, Metropolitan Waterworks Authority	09:20-09:40	ID 42 – <i>Integrating Foam Fractionation into the Activated Sludge Process for PFAS Removal from Landfill Leachate</i> – Joséphine van Ruiten, TU Delft
09:40-10:00	ID 75 – <i>The All-in-one AI and ML N₂O solution for low-carbon wastewater treatment</i> – Dhavissen Narayen, Cobalt Water Global	09:40-10:00	ID 97 – <i>Modular treatment solutions for the elimination of short- and ultra-short-chain PFAS from industrial wastewater and groundwater</i> – Eleonore Morlas, Oxyle
10:00-10:20	ID 94 – <i>Model predictive control for optimum condensate reuse</i> – Iarima Mendonça, HZ University of Applied Sciences	10:00-10:20	ID 116 – <i>Enhancing PFAS Removal Through Vacuum Airlift Foam Fractionation: Lab-Scale Optimization for Industrial Deployment</i> – Rebecca Dhawle, Nijhuis Industries
10:20-10:25	Pitch 24	10:20-10:25	Pitch 26
10:25-10:30	Pitch 25	10:25-10:30	Pitch 27

10:30-11:00 Coffee Break (Poster Presentation)

Sessions 18 & 19 (Thursday 2nd July 2026, 11:00-12:20)

Digitalization and Smart Control (Cont.) Chairpersons: Iarima Mendonça (HZ University of Applied Sciences) & Mehak Puri (Goa Institute of Management) Room No.		Industrial Water Pollutants Chairpersons: Sanne Smith (TU Delft) & Charlotte Bop (Veolia) Room No.	
11:00-11:20	ID 26 – <i>Process Simulation for the Selection of Complex Industrial Water Treatment Processes</i> – Paul Schausberger, UNIHA Wassertechnologie GmbH	11:00-11:20	ID 38 – <i>Removal of Trace Organic Pollutants from Industrial Effluents with A Pilot-scale Biofilter Enhanced by Manganese Oxidizing Bacteria</i> – Yunhai Zhang, Nanjing Tech University
11:20-11:40	ID 66 – <i>Dynamic Dissolved Oxygen Control in Activated Sludge Processes Using Fuzzy Logic with ASMI-Based Ammonium Simulation</i> – Hoda Khoshvaght, Edith Cowan University	11:20-11:40	ID 87 – <i>A Novel Biomass-Based Packed Bed Reactor for Sustainable PFAS Removal from Industry Effluent</i> – Asef Mohammad Redwan, North South University
11:40-12:00	ID 101 – <i>Real-Time Classification and Conditioning Optimization of Industrial Wastewater Sludge Using a Two-Stage Supervised Machine Learning Framework</i> – Asef Mohammad Redwan, North South University	11:40-12:00	ID 110 – <i>Integrated Wastewater Remediation and Antibiotic Detection Using Silica Hybrid Adsorbents</i> – Olga Semeshko, Slovak Academy of Sciences
12:00-12:20	ID 88 - <i>Hybrid Transformer-driven autonomous soft-sensing system for N₂O emissions in a full-scale wastewater treatment plant: Sensor fault reconstruction, quantification, and self-recalibration</i> - SeonJu Kim, Kangwon National University	12:00-12:20	ID 121 – <i>Industrial Fluorinated Liquid Crystal Monomers in E-Waste-Impacted Rivers and their Environmental Interactions</i> – Rui Yang, Tsinghua Shenzhen International Graduate School

12:20–14:00 Lunch Break

Session 20 & 21 (Thursday 2nd July 2026, 14:00-15:20)

Industrial Effluent: Treatment (Cont.) Chairpersons: Sven Uwe Geissen (Technical University Berlin) & David Moed (Evides Industriewater) Room No.		Life-Cycle Assessment Chairpersons: Rosan van Wyngaard (Proxa Water South Africa) & Mexitli Eva Sandoval Reyes (Tecnológico de Monterrey Campus Sante Fe) Room No.	
14:00-14:20	ID 21 - <i>Natural wetlands for water treatment in Yara</i> – Matthias de Cazes, Yara International	14:00-14:20	ID 8 – <i>Exploring Tail Gas as an Alternative Water Source in Carbon Black Manufacturing through Process Simulation and LCA</i> – Aashlesha Chekkala, BITS Pilani Goa
14:20-14:40	ID 51 <i>Chlorine Care: Automatic Re-chlorination System for Hospitals in Thailand</i> - Khachon Laingoen, Metropolitan Waterworks Authority, Bangkok, Thailand	14:20-14:40	ID 54 – <i>Life-cycle assessment of two effluent reclamation plants for hydrogen production in Denmark</i> – Sylvie Braekevelt, Ramboll
14:40-15:00	ID 71 - <i>Effect of superhydrophobic lamellar plates on particle settling velocity under abrasive sedimentation conditions</i> - Barraza Belen, Universidad Técnica Federico Santa María	14:40-15:00	ID 55 – <i>Closing nutrient loops from municipal wastewater and industrial process water in the Netherlands: Life Cycle Assessment of recovered fertilizers</i> – Ruben van den Berg, KWR
15:00-15:20	ID 79 – <i>Development of a Hydrothermal Pretreatment-Based System for Sustainable Management of Sewage Sludge</i> – Anurag Garg, IIT Bombay	15:00-15:20	ID 128 – <i>Beyond carbon and conventional LCA of wastewater treatment projects: Integrating PMTs and MPs into a cradle-to-grave life cycle assessment of a nature-based tertiary treatment</i> – Nooshin Barzegar Marvasti, University of Birmingham

15:20-16:00 Coffee Break

Closing Session (Plenary) (Thursday 2nd July 2026): 16:00-17:30

Chairpersons:	
Room No.	
16:00–16:30	Announcement of WIN2028
16:30–17:00	Awards: Best poster, Best presentation
17:00-17:30	Concluding remarks
19:00-23:00	Conference Dinner Dinner Talk: Rick Hogeboom Location: Haskoning

Friday (3rd July 2026)

09:00 – 17:00	Site visits (depending on site) <ul style="list-style-type: none"> ● Veolia Water Tech – Biothane ● Chemelot Site Tour ● Holland Hydrogen 1 – clean water for a clean fuel ● Tata Steel Ijmuiden ● Lenntech – Lab-, pilot- and full-scale membrane- and resin-based water treatment systems
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Pitches

- Ph 1. ID 150:** *Minimising Energy Consumption in RO Desalination Systems Using Renewable Energy and Energy Recovery Techniques Microbial Desalination Cells as Case Study* – Mohammed Abualreesh, Al Azhar University
- Ph 2. ID 73:** *Determination of C0-C2 Alkylphenols in Stripped Water using UPLC-Q/Orbitrap HRMS* – Yu-long Liu, CNPC Research Institute of Safety and Environment Technology
- Ph 3. ID 158:** *Assessing the feasibility of reclaiming process water from industrial wastewater effluent by using Closed-Circuit Reverse Osmosis and evaluating options for treating the resulting brine* – Tamarindo Metekohij, Evides Industriewater
- Ph 4. ID 31:** *Enhancing the Regeneration Efficiency of Ion Exchange Resins with Ammonium Bicarbonate via CO₂ and Air Pressurisation* – Kamran Jalali, Univeristy of New South Wales
- Ph 5. ID 60:** *Bioremediation of emerging contaminants using algal-bacterial consortium* – Ubhat Ali, Indian Institute of Technology Jammu
- Ph 6. ID 7:** *Phytomigration of Residual Heavy Metals from Technogenically Contaminated Treated Waters (Bolnisi, Georgia)* – Konstantine Khachapuridze, Technical University of Georgia
- Ph 7. ID 29:** *Reuse of Stormwater in a Logistics Industry* – Ferhan Çecen, Bogazici University
- Ph 8. ID 78:** *Subsea Reverse Osmosis as a Dual Water–Energy Asset for Data Center Cooling* – Charles McGarraugh, OceanWell
- Ph 9. ID 155:** *Photodegradation of the Industrial Dye Effluent from a Complex Ternary Pollutant System Using Indium-Doped Carbon Nitride Heterojunction* – Jyoti Prakash Ray, Indian Institute of Technology Guwahati
- Ph 10. ID 161:** *Ultra Short Chain (USC) PFAS Removal from Process Water at Chemours Netherlands*–Henk Walpot, Chemours
- Ph 11. ID 108:** *Optimized Energy for Water Production (Desalination) and Transmission in Hilly Terrains with Moderate Solar Flux* – Selvakumar Rajendran, IWA
- Ph 12. ID 46:** *Efficiency of Ultrafiltration and Nanofiltration in Removing Pharmaceuticals from Water* – Andrea Bernardes, Federal University of Rio Grande do Sul
- Ph 13. ID 24:** *Transforming microplastic waste from water to syngas* – Mohammed B. Al Rayaan, Aramco

- Ph 14. ID 124:** *Source-Dependent Functionalization of Silica with Pectin for Heavy Metal Removal from Industrial Wastewater* – Viktoriia Kyshkarova, Institute of Geotechnics of the Slovak Academy of Sciences
- Ph 15. ID 52:** *Development of a Membrane-Based Treatment Train for Water and Solute Recovery in a Bio-Based Industrial Stream* – Sara Salvador Cob, VITO
- Ph 16. ID 56:** *Membrane Distillation for Reverse Osmosis Brine Management-* Marco Rodrigues, Feevale University
- Ph 17. ID 118:** *Achieving Water Positivity Through Metered Water consumptions and CSR-Led Replenishment Across Multi-Sector Sites in India* – Moumita Ghosh, GRIHA Council
- Ph 18. ID 16:** *Multiple electron-driven sulfamethoxazole (SMX) removal and nitrogen resource recovery from pharmaceutical wastewaters in a microbial electrochemical system (MES)* – Siyuan Zhai, Tianjin University
- Ph 19. ID 35:** *Maximizing Petrochemical Wastewater Reuse Through Hybrid Membrane and Electro-Oxidation Technologies* - Marco Antônio Rodrigues, Feevale University
- Ph 20. ID 74:** *Enabling Circular Water Transitions: Integrating AI-driven Governance, Feasibility, and Stakeholder Adoption* – Mehak Puri, Goa Institute of Management
- Ph 21. ID 68:** *Analysis, Comparison and Review of Water Policies for Governance and Management in Sub-Saharan Africa* – Joseph Igbinedion, ELTE Eötvös Loránd University
- Ph 22. ID 28:** *Electrochemical Recovery of Alkalis from Ultrapure Water Resin Regeneration Wastewater Using Selective Ion-Exchange Membranes* - Sin-Yi Huang, Industrial Technology Research Institute
- Ph 23. ID 81:** *Electrocoagulation Treatment of Mature Landfill Leachate: Performance Evaluation and Energy Reduction via Pulsed Current* – Inga Urniežaitė, Kaunas University of Technology
- Ph 24. ID 64:** *Sustainable operation of semi-batch reverse osmosis for industrial effluent treatment using artificial intelligence* – Jungbin Kim, Wenzhou-Kean University
- Ph 25. ID 156:** *Data-enabled predictive control for membrane-based wastewater treatment processes* – Xunyuan Yin, Nanyang Technological University
- Ph 26. ID 135:** *Optimizing Foam Fractionation as a Key Concentration Technology for PFAS Removal* - Julian Muñoz Sierra, KWR Water Research Institute
- Ph 27. ID 107:** *Electrochemical Oxidation of PFAS using Boron doped Graphene coated Ti/RuO₂ Anode* - Niketha Narayana Rao, Indian Institute of Technology Madras

Poster Sessions

Industrial Effluent – Treatment

1. **ID 5:** *Method for determining the amount of calcium for the treatment of primary treated BOE dehydrated solution* – YongDoo Lee, Yeongari Envirotech Corp
2. **ID 16:** *Multiple electron-driven sulfamethoxazole (SMX) removal and nitrogen resource recovery from pharmaceutical wastewaters in a microbial electrochemical system (MES)* – Siyuan Zhai, Tianjin University
3. **ID 46:** *Efficiency of Ultrafiltration and Nanofiltration in Removing Pharmaceuticals from Water* – Andrea Bernardes, Federal University of Rio Grande do Sul
4. **ID 56:** *Membrane Distillation for Reverse Osmosis Brine Management* – Marco Rodrigues, Feevale University
5. **ID 62:** *Industrial Wastewater characteristics in Addis Ababa and treatment challenges* – Girum Tegegnework Wolde, Mekuria Enviro Friendly Consultancy
6. **ID 64:** *Sustainable operation of semi-batch reverse osmosis for industrial effluent treatment using artificial intelligence* – Jungbin Kim, Wenzhou-Kean University
7. **ID 77:** *Magnetite overcomes the propionate bottleneck to enhance methane formation under variable butyrate:propionate ratios* – Yeo-Myeong Yun, Chungbuk National University
8. **ID 111:** *Reactor-Scale and Local Transport Phenomena in Fungal Trickle-Bed Bioremediation* – Tazio Siegmann, ULB
9. **ID 124:** *Source-Dependent Functionalization of Silica with Pectin for Heavy Metal Removal from Industrial Wastewater* – Viktoriia Kyshkarova, Institute of Geotechnics of the Slovak Academy of Sciences
10. **ID 132:** *Phosphorus Control at Wastewater Treatment Works by Enhanced Adsorption with Water Works Sludge* – Fika Nikendary, PT Pertamina Energy Terminal, University of Leeds
11. **ID 133:** *Use of microbial consortia to mitigate eutrophication in wastewater systems* – Robert Carrión, San Luis Potosi
12. **ID 136:** *Treatment of Formation Water Generated from the Hydrocarbon Reservoir using Hybrid Techniques* – Pankaj Tiwari, IIT Guwahati
13. **ID 145:** *Performance of CO₂ Degasification in a Lab-scale Stripper with Activated Carbon Bed* – Miseon Kim, University of Science and Technology

14. **ID 151:** *Amino- and Imidazole-Functionalized Silica Adsorbents for Cr(VI) Removal from Industrial Wastewater* – Nataliia Chechitko, Institute of Geotechnics of the Slovak Academy of Sciences, Technical University of Košice (TUKE)
 15. **ID 165:** *Microalgal Phycoremediation of Pulp and Paper Wastewater: From Strain Screening to Pilot-Scale Validation* – Ricky Rajamanickam, Linnaeus University
 16. **ID 166:** *Compost or Digest? A Life Cycle and Net Present Value Comparison for Managing MBBR Sludge at a Mexican University Campus* – Mexitli Sandoval-Reyes, Instituto Tecnológico y de Estudios Superiores de Monterrey
 17. **ID 169:** *Alkalized TripolyPhosphate Cross-linked Chitosan Beads Synthesized from Mushroom Waste (*agaricus bisporus brunnescens*) Were Developed as a Sustainable Biosorbent for the Batch Removal of Toxic Heavy Metals Cr (VI), Cu (ii), and Pb (ii)* – Tesfalem Belay Tesfalem Belay, Bahir Dar Institute of Technology
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Industrial Effluent – Reuse

18. **ID 29:** *Reuse of Stormwater in a Logistics Industry* – Ferhan Çecen, Bogazici University
 19. **ID 35:** *Maximizing Petrochemical Wastewater Reuse Through Hybrid Membrane and Electro-Oxidation Technologies* – Marco Antônio Rodrigues, Feevale University
 20. **ID 113:** *The Circular Economy Approach as a Sustainable Alternative for the Recycling and Reuse of Industrial Acids in the Neutralization of Conventional Effluent* – Carla Ferreyra, Universidad Católica Boliviana San Pablo
 21. **ID 130:** *A Multi-Criteria Review and Geospatial Analyses for Air Conditioner (AC) Condensate Water Reuse* – Samuel Nketia Boateng, Univeristy of Cape Coast
 22. **ID 152:** *Spatial Prioritization of Treated Wastewater Use in Urban Areas* – Sang Ug Kim, Kangwon National University
 23. **ID 158:** *Assessing the feasibility of reclaiming process water from industrial wastewater effluent by using Closed-Circuit Reverse Osmosis and evaluating options for treating the resulting brine* – Tamarindo Metekohij, Evides Industriewater
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Resource and Energy Recovery

24. **ID 24:** *Transforming microplastic waste from water to syngas* – Mohammed B. Al Rayaan, Aramco

25. **ID 28:** *Electrochemical Recovery of Alkalis from Ultrapure Water Resin Regeneration Wastewater Using Selective Ion-Exchange Membranes* – Sin-Yi Huang, Industrial Technology Research Institute
 26. **ID 52:** *Development of a Membrane-Based Treatment Train for Water and Solute Recovery in a Bio-Based Industrial Stream* – Sara Salvador Cob, VITO
 27. **ID 63:** *Struvite from municipal wastewater applied for the recovery of iron oxide pigments from acid mine drainage: An experimental and geochemical modelling approach* – Tshepiso Mpala, University of Johannesburg
 28. **ID 76:** *Industrial Effluent: Treatment, Reuse and Safe Discharge Strategies for Sustainable Industrial Development in Bangladesh* – Md Mahbub Alam, Eco Growth Industrial Solutions, Institute Of Professional Learning & Development (IPLD)
 29. **ID 137:** *Thermo-economic optimisation of low-grade waste heat recovery systems* – Abubakar Kuburi, Newcastle University
 30. **ID 146:** *Toward Sustainable CO₂ Mineralization: Reaction Pathways and Applications* – Doheun Kwak, University of Science and Technology
 31. **ID 150:** *Minimising Energy Consumption in RO Desalination Systems Using Renewable Energy and Energy Recovery Techniques Microbial Desalination Cells as Case Study* – Mohammed Abualreesh, Al Azhar University
 32. **ID 167:** *Graphitic Carbon Nitride (g-C₃N₄) Nanosheet-Reinforced Thin-Film Nanocomposite Membranes: Toward Thermally Robust Desalination Performance* – Fatemeh Seyedpour, University of Alberta
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Industrial Water Pollutants

33. **ID 7:** *Phytomigration of Residual Heavy Metals from Technogenically Contaminated Treated Waters (Bolnisi, Georgia)* – Konstantine Khachapuridze, Technical University of Georgia
34. **ID 60:** *Bioremediation of emerging contaminants using algal-bacterial consortium* – Ubhat Ali, Indian Institute of Technology Jammu
35. **ID 73:** *Determination of C0-C2 Alkylphenols in Stripped Water using UPLC-Q/Orbitrap HRMS* – Yu-long Liu, CNPC Research Institute of Safety and Environment Technology
36. **ID 90:** *Light Rare Earth Element Recovery from Industrial Wastewater Streams: A Systematic Review* – Asef Mohammad Redwan, North South University

37. **ID 91:** *Effects of Microplastic-Containing Plastic Industry Effluents on Soil Microbial and Faunal Communities*– Asef Mohammad Redwan, North South University
38. **ID 107:** *Electrochemical Oxidation of PFAS using Boron-doped Graphene-coated Ti/RuO₂ Anode* – Niketha Narayana Rao, Indian Institute of Technology Madras
39. **ID 135:** *Optimizing Foam Fractionation as a Key Concentration Technology for PFAS Removal* – Julian Munoz Sierra, KWR Water Research Institute, TUDelft
40. **ID 154:** *Green-Synthesized Gd₂(WO₄)₃/PALF Nanocomposites for Efficient Removal of Pesticides and Heavy Metals from Contaminated Surface Waters in Gqeberha, South Africa* – Zikhona Tywabi-Ngeva, Nelson Mandela University
41. **ID 155:** *Photodegradation of the Industrial Dye Effluent from a Complex Ternary Pollutant System Using Indium-Doped Carbon Nitride Heterojunction* – Jyoti Prakash Ray, Indian Institute of Technology Guwahati
42. **ID 161:** *Ultra Short Chain (USC) PFAS Removal from Process Water at Chemours Netherlands* – Henk Walpot, Chemours
43. **ID 164:** *Sustainable Adsorptive Removal of PFAS Using Waste-Derived Activated Carbons: Role of Surface Chemistry and Pore Structure* – Intae Shim, University of Science & Technology
44. **ID 168:** *Efficient PFAS Removal from Contaminated Water using Sustainable Bio-Aerogel Materials for Circular Economy* – Soumi Dutta, Indian Institute of Science, Bangalore

Water–Energy Nexus

45. **ID 163:** *Optimizing the Water-Energy-Carbon Nexus in a wastewater treatment plant through advanced aeration control and hybrid renewable integration* – Intae Shim, University of Science & Technology
46. **ID 78:** *Subsea Reverse Osmosis as a Dual Water–Energy Asset for Data Center Cooling* – Charles McGarraugh, OceanWell
47. **ID 81:** *Electrocoagulation Treatment of Mature Landfill Leachate: Performance Evaluation and Energy Reduction via Pulsed Current* – Inga Urniežaitė, Kaunas University of Technology
48. **ID 108:** *Optimized Energy for Water Production (Desalination) and Transmission in Hilly Terrains with Moderate Solar Flux* – Selvakumar Rajendran, IWA

49. **ID 147:** *Enabling High-Temperature, Scaling-Free Multi-Effect Distillation Systems* – Ahmed Alanazi, KAUST
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Digitalization and Smart Control

50. **ID 31:** *Enhancing the Regeneration Efficiency of Ion Exchange Resins with Ammonium Bicarbonate via CO₂ and Air Pressurisation* – Kamran Jalali, Univeristy of New South Wales
51. **ID 74:** *Enabling Circular Water Transitions: Integrating AI-driven Governance, Feasibility, and Stakeholder Adoption* – Mehak Puri, Goa Institute of Management
52. **ID 83:** *A Life Cycle Analysis of Bismuth Vanadate During Solar Photocatalysis* – Aashlesha Chekkala, BITS Pilani Goa
53. **ID 105:** *Satellite-Based Assessment of Coastal Water-Quality Variability and Intake Risk at Desalination plants along the Qatar Coast* - Mohammad Tajik, Hamad Bin Khalifa University
54. **ID 131:** *Automated non-destructive, in-situ monitoring of (bio) fouling layers - Embodying Optical Coherence Tomography on a portal robot* – Arthur Leon, Chair of Process Engineering in Hydro Systems, Inst, Technische Universität Dresden (TUD)
55. **ID 153:** *Economic real-time operation of membrane bioreactors in wastewater treatment via constrained economic model predictive control with Koopman modeling and meta learning* – Adrian Wing-Keung Law, National University of Singapore
56. **ID 156:** *Data-enabled predictive control for membrane-based wastewater treatment processes* – Xunyuan Yin, Nanyang Technological University
57. **ID 157:** *Human-in-the-loop reinforcement learning for safe economic operation of membrane bioreactor processes in wastewater treatment* – Thu Minh Hoang, Nanyang Technological University
58. **ID 159:** *Real-Time Water Quality Analytics Unlock Industrial Productivity Gains* – Liviu Mantescu, Watergenics GmbH
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Water Policies and Industrial Symbiosis

59. **ID 20:** *Re-defining Water Policies in Kenya to Achieve Optimal Delivery of Water and Sewerage Services* – Hamred Chungani, Nairobi City Water & Sewerage Company Ltd

60. **ID 65:** *A Hybrid IoT–Satellite Framework for Real-Time, Scalable Water Quality Monitoring* – Muhammad Misbah Ul Hussain, University of Trento
61. **ID 67:** *GIS-Based Leakage Management in Water Distribution Systems: A Case Study from Northern Sri Lanka* - Edward Sutharsan Masanad, National Water Supply & Drainage Board
62. **ID 70:** *Integrating Instrumentation, Control, and Automation towards Sustainable and Energy-Neutral Water Treatment in Utilities* – Edward Sutharsan Masanad, National Water Supply & Drainage Board
63. **ID 68:** *Analysis, Comparison and Review of Water Policies for Governance and Management in Sub-Saharan Africa* – Joseph Igbiniedion, ELTE Eötvös Loránd University
64. **ID 118:** *Achieving Water Positivity Through Metered Water consumptions and CSR-Led Replenishment Across Multi-Sector Sites in India* – Moumita Ghosh, GRIHA Council
65. **ID 139:** *Redefining Industrial Solvency: The Water Bankruptcy Protocol as a New Paradigm for AI-Enabled Circular Water Governance* – Farid Attarchi, Monenco Iran
66. **ID 141:** *High-Accuracy Volumetric Testing System for Water Infrastructure* – Apiwat Lekfuangfu, Metropolitan Waterworks Authority
67. **ID 143:** *Assessment of the Treated Effluent Discharge Effects on Receiving Waters* – Kalirajan Arunachalam, Mulungushi University
68. **ID 148:** *Water Literacy and Sustainable Water Use: Behavioral Drivers of Water Demand Management among University Students – A Systematic Review* – Norr Hassan, University of Doha for Science and Technology, Hamad Bin Khalifa University
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