TUESDAY, 1 DECEMBER 2026

DGMT Poster Day & Welcome Reception | NGP² Aachen

10:00-16:30

DGMT POSTER DAY

organised by

DGMT Deutsche Gesellschaft für Membrantechnik

NMG Nederlands Membranengenootschap

BMG Belgian Membrane Group

18:00 WELCOME RECEPTION

SPONSORED BY

Linde

EVONIK Leading Beyond Chemistry

HOSTED AND ORGANISED BY

vivta | Chemical Process Engineering at RWTH Aachen e.V.

AVT Aachener Verfahrenstechnik | RWTH AACHEN UNIVERSITY

DWI Leibniz-Institut für Interaktive Materialien

WEDNESDAY, 2 DECEMBER 2026

Conference day 1 | Eurogress Aachen

09:15-10:45 — OPENING SESSION | Brussel Hall

Opening remarks | Matthias Wessling, RWTH Aachen University & DWI - Leibniz Institute for Interactive Materials

09:30 KEYNOTE I - Do we still need UF? Hollow fiber nanofiltration and the next generation of water reclamation
Geert-Henk Koops, NX Filtration

10:15 INDUSTRY PITCHES

10:45-11:00 — COFFEE BREAK

11:00-12:30

BRUSSEL HALL

ELECTROMEMBRANE SEPARATIONS | Chair: Robert Keller | RWTH Aachen University

11:00 Coupling redox-electrochemistry with membrane design for selective separations
Xiao Su | University of Illinois at Urbana-Champaign

11:30 Next-gen electro-membrane lithium extraction: Efficient, sustainable, battery-grade
Christian Hying | Evonik Innovation Factory

12:00 Accounting for two-step ion pairing of M_2SO_4 salt sorption in cation exchange membranes
Rachel Huang | École Polytechnique Fédérale de Lausanne

ROOM K1

MEMBRANES I | Chair: Jannik Mehlis | RWTH Aachen University

11:00 Polyamide membranes with intrinsic coordination sites for ion-ion separation
Razi Epsztein | Technion – Israel Institute of Technology

11:30 One-step fabrication of tunable Fumion/PAA PEC membranes for ion and micropollutant separation
Kejing Li | Technion – Israel Institute of Technology

12:00 Beyond conventional chemical color-diffusion NEMD: Alternating color fields for ionic conductivity estimation in finite diffusion domains
Abhishek Khetan | RWTH Aachen University

12:30-13:30 — LUNCH

13:30-15:00

BRUSSEL HALL

MEMBRANES FOR ENERGY APPLICATIONS | Chair: Xiao Su | UIUC

13:30 Backbone influence on internal morphology of ion-exchange membranes for energy applications
Anastasiia Konovalova | DTU Energy, Technical University of Denmark

14:00 Experimental investigation of a spiral-wound membrane humidifier for proton exchange membrane fuel cells
Philipp Schwab | Technical University of Munich

14:30 Scalable fabrication of polymer based porous separators for alkaline water electrolysis
Wendy Jonkers | EMI Twente

ROOM K1

WATER TREATMENT | Chair: Geert-Henk Koops | NX Filtration

13:30 Treating Highly Variable Industrial Wastewater with Helix Tubular Membranes in a Side-Stream MBR
Manuel Chaumaz | Pentair

14:00 Micropollutant removal from wastewater effluent by polyelectrolyte multilayer NF membranes converted from end-of-life RO modules
Aron Bona | University of Pannonia

14:30 Hybrid ion exchange - reverse osmosis treatment of PFAS-contaminated waters without antiscalants: high-recovery operation and concentrate management
Martin Futterlieb | Universität Duisburg-Essen

15:00-16:30 — COFFEE BREAK & POSTER SESSION sponsored by PENTAIR

16:30-18:00

BRUSSEL HALL

MEMBRANE REACTORS | Chair: Carla Esch | RWTH Aachen University

16:30 The stony path from academic membrane research to industrial applications
Klaus-Viktor Peinemann | GMT Membrantechnik GmbH

17:00 Packed bed membrane reactor for ammonia cracking process
Roberto Fiorillo | Eindhoven University of Technology

17:30 Performance evaluation of structured POCS catalysts for hydrogen production via ammonia decomposition
Valentina Cechetto | Eindhoven University of Technology

ROOM K1

BIOSEPARATIONS | Chair: Ann-Kathrin Mertens | RWTH Aachen University

16:30 From microfluidics to membranes
Karin Schroën | Wageningen University

17:00 Development and characterization of biocatalytic membrane reactors
Martin Schmidt | Leibniz Institute of Surface Engineering e.V (IOM)

17:30 Enzyme functionalized nylon membranes for improving protein recovery from microalgae extracts of Tetraselmis chui
Tim Schreiber | Leibniz Institute of Surface Engineering e.V (IOM)

19:00 — CONFERENCE DINNER | INNSiDE Hotel

THURSDAY, 3 DECEMBER 2026

Conference day 2 | Eurogress Aachen

09:15-10:45 — PLENARY SESSION | Brussel Hall

09:15 KEYNOTE II - Self-assembly and membranes for precise separations
Suzana Nunes, King Abdullah University of Science and Technology (KAUST)

10:00 KEYNOTE III - Electrochemical hydrogen separation from diluted gas mixtures: When separation meets compression
Wibke Zängler, RWTH Aachen University

10:45-11:00 — COFFEE BREAK

11:00-12:30

BRUSSEL HALL

DESALINATION | Chair: Agustin Epstein | RWTH Aachen University

11:00 What we do and what we still don't understand about ion transport in membranes
Viatcheslav Freger | Technion – Israel Institute of Technology

11:30 Concentrating brines up to saturation using low-salt-rejection reverse osmosis
Lena Sophie Riechers | University of Twente

12:00 Critical raw material recovery with tailor-made nanofiltration membranes
Milan Abel | naion.tech

ROOM K1

PROCESS ENGINEERING | Chair: Arian Nijmeijer | University of Twente

11:00 Circular economy for end-of-life membranes
Franziska Blauth | Institute for Environment & Energy, Technology & Analytics e. V. (IUTA)

11:30 Selected industrial applications of hollow fiber membrane contactors in carbon capture systems
Martin Ulbricht | Thermo Fisher Scientific BPG GmbH

12:00 Organic solvent nanofiltration for sustainable and efficient industrial processes
Robin Wilmshöfer | BORSIG Membrane Technology GmbH

12:30-13:30 — LUNCH

13:30-15:00

MEMBRANES II | Chair: Rob Lammertink | University of Twente

13:30 The Evolving Toolbox for Polyelectrolyte Membranes
Hannah Roth | University of Duisburg-Essen (UDE) & University of Twente

14:00 Developing hollow fiber UF/MF membranes using novel industrially fabricated polymers
Jurjen Regenspurg | EMI Twente

14:30 Nanoparticles as sacrificial pore fillers for the fabrication of high permeability polyelectrolyte multilayer membranes
Roberto Andrade | University of Twente

GAS & VAPOR SEPARATION | Chair: Eric Favre | Université de Lorraine

13:30 High purity H_2 recovery from NH_3-cracking with Pd membrane technology
Thijs Peters | SINTEF

14:00 Beyond the Robeson plot – Industrial perspectives on gas membrane research
Jens Rubner | Linde GmbH

14:30 Towards large scale ZIF-8 membrane for N_2 separation from fluorinated gases at CERN
Amin Bouzaiene | CERN & École Polytechnique Fédérale de Lausanne

15:00-15:15 — COFFEE BREAK

15:15-17:00

EU PROJECTS | Joint Q&A after talks | Chair: Wibke Zängler | RWTH Aachen University

15:15 Design and testing of a membrane-based solar desalination unit for emergency conditions
Matteo Fasano | Politecnico di Torino

15:30 Solar-assisted membrane distillation: Model-based optimization and preliminary validation at pilot scale
Matteo Fasano | Politecnico di Torino

15:45 Novel SiC-based and reinforced membranes for H_2 and CO_2 separation from steel-industry flue gas
Recep Kaya | Istanbul Technical University & Hannes Richter | Fraunhofer IKTS

16:00 Efficiency and energy consumption analysis of bipolar membrane electrodialysis for electrochemical CO_2 capture
Sara Vallejo Castaño | Wetsus

16:15 Process and membrane developments to assist purification and additive recovery of used lubricant oils
Pieter Vandezande | VITO & Bart Coen | a-membranes

MEMBRANES III | Chair: Hannah Roth | Universität Duisburg-Essen, University of Twente

15:15 Forming membranes from colloids: A potential route towards designable structures
Zeynep Çulfaz Emecen | Middle East Technical University

15:45 Confined growth of triazine-based polyimide networks via supramolecular solid-state polymerization
David Magnus Wolf | Jülich Research Centre

16:15 APTES-Modified MXene incorporated biodegradable Janus PLA/PEG nanofibrous membranes for oil-water separation
İrem Kaya & Fatmanur Cede | Gebze Technical University

17:00-18:00 — CLOSING SESSION & POSTER PRIZE | Brussel Hall

17:00 KEYNOTE IV - Whispering with membrane modules
Matthias Wessling, RWTH Aachen University & DWI - Leibniz Institute for Interactive Materials

17:45 Closing remarks