

NaWuReT Colloquium 2024 - online event

Reaction engineering stands as a pivotal discipline essential for addressing contemporary global challenges, such as the energy and raw material transition as well as the implementation of a circular economy. These major challenges require visionary thinkers who steer their environment in the right direction through innovative activities. The NaWuReT is inviting the chemical reaction engineering community to a virtual colloquium in the winter of 2024 entitled

„Veni, vidi, vici? Visionary leaders in chemical reaction engineering“

In this lecture series, we will discuss with five distinguished, internationally experienced professors and experts which have pursued and implemented their vision throughout their careers. Each of them will provide insights into their professional achievements in the field and give an impulse for early career scientists to advance relevant topics of reaction engineering.

The colloquium will be held every Monday **from February 5th to March 4th** and is directed to early career reaction engineers and everyone else interested.

Speakers of the NaWuReT

Jens Friedland
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Marion Börnhorst
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Program

- 05.02.2024
5 – 6 p.m. *„It's been a long road gettin' from there to here: Development of polymer-carrier ion exchange catalysts“*
Ulrich Kunz, TU Clausthal, Germany
- 12.02.2024
5 – 6 p.m. *“Circular Economy - Missing Puzzle Pieces for a Sustainable World”*
Olaf Wachsen, Clariant, Germany
- 19.02.2024
5 – 6 p.m. *“Sustainable on-purpose catalytic processes for light olefins production”*
Angeliki A. Lemonidou, Aristotle University of Thessaloniki, Greece
- 26.02.2024
5 – 6 p.m. *„Energy and environmental catalysis research since 1970 from a surface scientist's perspective“*
Charles T. Campbell, University of Washington, USA
- 04.03.2024
5 – 6 p.m. *„The Damköhler number: guideline and inspiration “*
Andreas Seidel-Morgenstern, MPI Magdeburg, Germany

Registration

Participation is free of charge. The talks will be held via Zoom and the link will be provided after registration. We kindly ask for registration via E-Mail to philipp.roese@kit.edu.



Ulrich Kunz was a professor at the Institute of Chemical and Electrochemical Process Engineering at Clausthal University of Technology and is still active as emeritus. He studied chemistry and obtained his Ph.D. in Chemical Technology and Fuel Technology. His scientific work covers topics from electrochemical reactors to multiphase reactions under high pressure. Besides his activities in reaction engineering, he is interested in electronics, with several publications on special electronic circuits. His versatility is evident in winning the German Sustainability Award 2018 with BioBZ - a microbial fuel cell.

Olaf Wachsen is an expert in chemical process development, focusing on sustainability, innovation, front-end loading, transformation and change management. Before he became an independent senior consultant, he had worked as the lead of the chemical engineering department at Clariant. He was or is active in German Dechema, ASPIRE, the EU, and global initiatives, such as WEF. Throughout his career, more than 30 years at Clariant/Hoechst and Ekato Group, he has devoted and continues to devote himself to topics such as circularity, digitization, society, and education.



Angeliki A. Lemonidou is professor of Chemical Engineering at the Aristotle University of Thessaloniki, Director of the Petrochemical Technology Laboratory (LPT), and since September 2020, Head of the Chemical Engineering Department at Aristotle University of Thessaloniki. She got a BSc in Chemistry and a PhD in Chemical Engineering, both with honors from Aristotle University. Her research activities are in catalysis and reaction engineering. She is the author of over 135 journals publications and >200 conference proceedings with over 12,634 citations.

Charlie Campbell is the B. Seymour Rabinovitch Endowed Chair and Professor Emeritus in Chemistry at the University of Washington, where he is also an Adjunct Professor of Chemical Engineering and Physics. He received his BS and Ph.D. degrees at the University of Texas in Austin in Chemical Engineering and Chemistry, then did his postdoc in Germany with Gerhard Ertl (2007 Nobel Prize Winner). He is the author of over 370 publications with over 37,000 total citations. He received numerous awards, including the ACS Catalysis Award for Exceptional Achievements and the Gerhard Ertl Lecture Award.



Andreas Seidel-Morgenstern is a professor and distinguished chemical engineering and process analysis expert and director of the Max Planck Institute for Dynamics of Complex Technical Systems in Magdeburg. With extensive expertise spanning over three decades, he has significantly contributed to developing innovative separation and purification processes. His research focuses on advancing chromatography techniques, reaction engineering, and crystallization, particularly in pharmaceutical and biotechnology applications.

Interested in becoming a member of the NaWuReT?

The NaWuReT is always looking for new members who want to engage with the early career reaction engineering community. Whether you are PhD student, postdoc, assistant professor, or an early career reaction engineer in the industry - you are welcome to join. If you are interested, reach out to Jens Friedland or Marion Börnhorst for further information.

The NaWuReT is now on LinkedIn. Be sure to connect with us to stay up-to-date with our latest activities.

Click on the logo to be directed to the NaWuReT page.

