

# DECHEMA FORUM

Science and Industry in Dialogue



## PROGRAMME

15 - 17 September 2026

DECHEMA-Haus · Frankfurt am Main · Germany

## DECHEMA FORUM 2026

### Defossilizing the Process Industry – Creating Competitive Solutions

[www.dechema.de/DECHEMAFORUM2026](http://www.dechema.de/DECHEMAFORUM2026)



Detailed conference programme



PROGRAMME AT A GLANCE

Tuesday, 15 September 2026

	Max-Buchner-Hörsaal			
10:30	Opening			
10:40	<b>PLENARY TALK</b> Andrea Ramírez Ramírez „Reconfiguring Existing Industrial Clusters Beyond Fossil Fuels: The Challenge and Promise of System Transformation”			
11:10	<b>KEYNOTE</b> Magdalena Illing „Resilience Through Net Zero: How can We Co-Shape the Industrial Transition?”			
				
11:40	Room change break			
	Max-Buchner-Hörsaal	Manfred-Eigen-Hörsaal	Franz-Patat-Hörsaal	Wilhelm-Keim-Raum
	Catalyst Design for Sustainable Feedstock Conversion	Circular Economy & Chemical Recycling	Alternative Feedstocks for a Bio-Economy	Separation Strategies for the Circular Economy
11:50	Jan Paul Walter, Michael Schwidder	Kai Schröder	Martin Lindmeyer, Jörn Viell	Philipp Lösch
12:10		Anna Knapp		Martin Wolke
12:30	Dominique Lump	Daniel Markthaler	Benedikt Bender	Maria Polyakova
12:50	Lunch break			
	Catalytic and Membrane-Based Routes to Sustainable Chemicals	Process Innovations for Plastics Recycling	Circular Feedstocks: From Waste to Chemicals	Next-Generation Membrane Separations
13:50	Ivana Jevtovikj	Ludwig Georg Seidl	Katharina Oehlenschläger	Felix Pasch
14:10	Jörg Richter	Jonas Vogt	Kevin Bürner	Philipp Wagner
14:30	Valeria Lang	Ronny Hanich-Spahn	Ulrike Junghans, Jakob Köchermann	Mathias Ulbricht
14:50	Nick Herrmann	Salar Tavakkol		Henrik Schröter
15:10	Coffee break			

PROGRAMME AT A GLANCE

15:30	Workshops I (details below)
17:00	Room change break
17:15	Poster Short Lectures
17:45	Poster Party with Beer & Pretzels
19:45	Get-Together of the Early-Career Groups** (location TBA)

<b>Workshops I</b>	
<b>Tuesday, 15 September, 15:30 - 17:00</b>	
1.1	Your job in the Chemical industry – Application process and (first) Employment Contract **
1.2	Aspects of digitalization - self-optimization in chemical process development
1.3	Bioeconomy & Biobased Polymers – from Material to Application
1.4	Towards circular carbon-based products and processes
1.5	The Power of Membrane Separation
1.6	Future Scenarios in Industrial Water Management
1.7	The role of CO2 direct air capture for defossilizing the process industry
1.8	Classical and AI-based spray measurement technology

Programme items targeting especially young professionals are marked with \*\*

PROGRAMME AT A GLANCE

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Wednesday, 16 September 2026

Max-Buchner-Hörsaal				
09:00	<b>PLENARY TALK</b> Dr. Eva Wilke „Biotechnology: The Key to Revolutionizing the Chemical Industry?“			
09:40	Room change break			
	Max-Buchner-Hörsaal	Manfred-Eigen-Hörsaal	Franz-Patat-Hörsaal	Wilhelm-Keim-Raum
	<b>Advanced Catalyst and Reactor Engineering for Sustainable Processes</b>	<b>Systemic Approaches for Material Recovery</b>	<b>Bioprocesses and Circularity</b>	<b>Innovations in Thermal Energy Conversion and Storage</b>
09:50	Svea Hoffgaard	Sebastian Arndt	Judith Stiefelmaier	Jochen Dietl
10:10	Tobias Wittmann	Kevin Bojaryn	Philipp Demling	Christopher Geschwindner
10:30	Jakob Albert	Hannah Mangold	Andreas Pfennig	Marco Prenzel
10:50	Coffee break			
	<b>Digitalization and Automation in Process Engineering</b>	<b>Process Design for Polymer and Plastics Valorization</b>	<b>From Biomass and Waste to Value</b>	<b>Electrochemical Engineering for the Process Industry</b>
11:20	<b>CIT Lecture</b> Michael Schlüter	Patrick Lott	Jonah Petereit	Zhaoran Xin
11:40		Vico Tenberg	Kim Keilen	Ekaterina Gorshneva
12:00	Andrea Pappagallo	Esther Heil	Alexander Volikov	Johannes Rocker
12:20	Angelika Eberhardt	Ruben Goldhahn	Nick Hausen	Philipp Knödler
12:40	Lunch break			
13:40	<b>DECHEMA INNOVATION AWARD</b>			
14:20	Room change break			

	Max-Buchner-Hörsaal	Manfred-Eigen-Hörsaal	Franz-Patat-Hörsaal	Wilhelm-Keim-Raum
	<b>Pathways to Circularity: Technology and Value Creation</b>	<b>Green Ammonia: From Production to Industrial Symbiosis</b>	<b>Integrated Process Design and Optimization</b>	<b>AI-Driven Intelligence</b>
14:30	Emanuele Moioli, Stefania Pulicelli	Clara Maria Watermann	Marc Pfenning, Gia Trung Hoang	Marc Völkenrath
14:50		Leonie Bahrs		Björn Müller
15:10	Arne Nisters	Günter Harp	Anita L. Ziegler	Iryna Savych
15:30	Coffee break			
	<b>Electrification of the Process Industry</b>	<b>Renewable Transport - From production to usage</b>	<b>Advanced Biorefineries: Integrating Catalysis from Lab to Industrial Scale</b>	<b>Model-Based Engineering for Process and Systems Design</b>
16:00	Julia Riese, Marcus Grünewald	<b>KEYNOTE</b> Andreas Happ	Philipp Knötig	Norbert Kockmann
16:20			Thomas Rehm	Nico Tauchnitz
16:40	Dennis Müller	Nathanael Heimann, Lydia Gehrlein	<b>KEYNOTE</b> Dörte Rother	Ina Pahl
17:00	Bernd Feuerriegel			Mathias Schmitz, Sebastian Härtner (until 17:30)
17:20	Room change break			
	Max-Buchner-Hörsaal		Franz-Patat-Hörsaal	
17:40	<b>Career Session **</b> , organised by the Early Career Groups		<b>ChemPlant competition: Final Science Pitches</b> , organised by kjVI	
18:45	Get-together with Dinner at DECHEMA-Haus			

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PROGRAMME AT A GLANCE

Thursday, 17 September 2026

09:00	Workshops II (details on page 7)			
10:30	Coffee break			
	Max-Buchner-Hörsaal	Manfred-Eigen-Hörsaal	Franz-Patat-Hörsaal	Wilhelm-Keim-Raum
	CO <sub>2</sub> Capture & Utilization	Process Integration and Modeling for a Sustainable Industry	LCA & Sustainability Assessment	Digitalization for Modular Plants
11:00	Thorsten Jänisch, Robert Henkel	Daniel Florez-Orrego	Ralph-Uwe Dietrich	Sascha Lamm
11:20		Yoga Pranata Rahmat	Ankur Gaikwad	Jannik Dohmen, Song Zhai
11:40	Vera Beier	Franziska Müller-Langer	Maximilian Kerschbaum	Laura Marsollek, Mathias Schmitz
12:00	Andreas Sundermann	Benedikt Bender	Eleonora Bargiacchi	Ralf Küper-Rampp
12:20	Room change break			
	Max-Buchner-Hörsaal			
12:30	PLENARY TALK Martin Keller „Innovation: The Key to Future Competitiveness”			
13:10	Award ceremonies and closure			
13:20	End of DECHEMA Forum 2026			

Thursday, 17 September

09:00 - 12:00 **Hochschullehrernachwuchspreis (Young University Teacher Award)**

PROGRAMME AT A GLANCE

Workshops II

Thursday, 17 September, 09:00 - 10:30

- 2.1 Future-Proof Your Research Data: Practical Data Management
- 2.2 Foundation young group on energy, chemistry and climate \*\*
- 2.3 Bridging the gap on CO<sub>2</sub>-based synthetic fuels – What’s left to do for applied research
- 2.4 The cost of (recombinant) protein production: Why is an egg still hard to beat?
- 2.5 Skills for the (bio)chemical transformation – Scenarios for the future
- 2.6 Towards a shared database of ex-ante process models for the systematic development of industrial decarbonization roadmaps (IETS Task XXIV by IEA)
- 2.7 DME: How can we unlock its great potential?
- 2.8 Young People for the Bioeconomy – 90 Minutes for Fresh Ideas \*\*

Color key

Bioeconomy, Bio-based Products
Catalysis & Reaction Engineering for Defossilization
Circular Economy & Chemical Recycling
CO <sub>2</sub> Capture, Conversion and Utilization (Chemical & Biotechnological)
Defossilization of Resource-Intensive Industries
Digitalization, AI & Automation
Electrification of the Process Industry
Feedstock and Raw Material Flexibility
Integrated Bio-/Chemo-/Catalytic Process Chains
Separation Technologies and Downstream Processes
System Analysis, LCA & Sustainability Assessment

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