



Transform the European Process Industries

4th International Workshop on Innovation and Production Management in the Process Industries (IPM2022)

Preliminary Program (as of April 21st 2022)

Goal of the Workshop

We are looking forward to two days of vital dialogue how the process industries' transformation to climate neutrality can be implemented and accelerated – a huge challenge with an even increased importance in the light of the war in Ukraine.

We are pleased to have registrations from international experts from business and academia providing expertise, experience as well as fresh perspectives in these turbulent times.

With this expert workshop, we want to bring industry and academia together to

- reflect about scenarios about the development of the process industries in Europe after the Russian war
- highlight the systemic nature of the challenges in the areas of energy and raw material transformation taking recent geopolitical developments into consideration
- discuss new business models and technologies
- exchange best practices
- strengthen the international network of professionals researching management issues in the process industries

Topics & Subtopics

Transform the European Process Industries -> Sustainability -> Energy Supply -> Raw Materials	Systems level e.g., infrastructure, hydrogen, collaboration
	Company level e.g., circular economy, energy transformation, sustainable business models
	Innovation and production management e.g., PtH, PtL transformation, CCU & CCS, bio-based materials, digitization

Formats

Plenary sessions set the scene: 30 min keynote, 10 min for questions and answers

Two focus tracks per day:

12th of May: Hydrogen and circular economy

13th of May: CCU and CCS

Two insights on state-of the art developments (each 30 min) and discussion

Roundtable discussions allow in-depth discussions in small groups: Several 15-20 min presentations on individual aspects of the roundtable topic followed by a discussion in which all members of the small group participate.

12 th May		Presentations and Tour Industrie Park Höchst	
10:00 – 10:30	Registration and coffee		
10:30 – 11:00	Welcome and Workshop Introduction		
11:00 – 11:45	Plenary "European perspective: Transform the European Process Industries: Activities and Insights from the SPIRE network", Prof. Dr. Ludo Diels (SPIRE)		
11:45 – 12:30	Plenary "The HYBRIT demonstration of a fossil-free iron- and steelmaking value chain", Dr. Christer Ryman (HYBRIT)		
12:30 – 13:30	Lunch		
13:30 – 14:15	Plenary "Perspectives of the chemical industry in Europe after the war in Ukraine" Dr. Jörg Rothermel (VCI) (to be confirmed)		
14:15 – 15:00	Plenary "The roles of industrial parks in the transformation: knowledge hub, innovation campus, business driver", Prof. Dr. Thomas Bayer (Infraserv Höchst)		
15:00 – 15:30	Coffee break		
15:30 – 17:00	Presentations in two thematic areas and discussion		
	Track Hydrogen Anton Hoffmann (Hynamics) Dr. Florian Ausfelder (DECHEMA)	Track Circular economy Dr. Hanno Brümmer (Covestro) Dr. Lisa Weigand (Mitsubishi Chemical)	
17:30 – 18:30	Tour Industriepark Höchst		
19:00 – 21:30	Evening program		

13 th May		Presentations and Roundtable Discussions	
08:00 – 08:30	Introduction		
08:30 – 09:15	Plenary "Transformation of the Process Industries in Germany and Europe" Prof. Dr. Stefan Lechtenböhmer (Wuppertal Institut)		
09:15 – 10:00	Plenary "Carbon neutrality as business driver", Angélique Terrien (Procter & Gamble)		
10:00 – 10:30	Coffee break		
10:30 – 12:00	Presentations in two thematic areas and discussion		
	Track CCS Prof. Dr. Epple (TU Darmstadt) René Haas (Neo Carbon), tbc	Track CCU Dr. Francisco Vidal Vázquez (KIT) Dr. Andreas Waibel (Caphenia)	
12:00 – 13:00	Lunch		
13:00 – 13:30	Survey		

13:30 – 15:30	Roundtable discussions (parallel)
Recycling	Dr. Nabila Rabanizada (Remondis), Julian Odenthal (Arcus Greencycling), Dr. Klaus Kurz (Celanese)
Bioeconomy	Dr. Wienke Reynolds (Lignopure), Dr. Manfred Kircher (KADIB), Dr. Michael Brandkamp (ECBF), Prof. Ralf Kindervater (BIOPRO)
Sustainability Management	Janine Heck (ZIN/WWU Münster), Elizaveta Averina (Luleå University of Technology), Florian Dietrich (WWU Münster)
Energy transformation I	Dr. Abel-Günther (TUHH), Dr. Falk (Infraserv), Prof. Dr. Dittmeyer (KIT)
Energy transformation II	Florian Frieden (WWU Münster), Dr. Werner Sievers (Sanofi)
Digitization	Prof. Dr. Koteswar Chircumalla (Mälardalen University), Dr.-Ing. Wolfram Keller (Chem4Chem), Dr. Huub Rutten (Sopheon)
15:30 – 16:30	Finishing remarks

Partners:



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