

The 12th Cologne Process Engineering Conference will be held on July 06, 2018

Venue: TH Köln, Hörsaal 14

This year, presentations are related to “**Modern Process Engineering: Automation, Modularisation, Multifunctionality, Self-learning systems**” and correspond to one of the five conference topics:

- Process automatization – fully automated processes and control systems
- Multifunctional reactors – “one for all”
- Modular systems in process engineering – from process chains to process networks for high product variety
- New world of work: Jobs and working methods of process engineers in the future
- Challenges and safety issues – and how to solve them

Furthermore, there will be a poster presentation covering the different fields of activity of the Institute of Chemical Process Engineering and Plant Design

Conference Program / Friday, 06 July		
	Welcome; Start of PEC 2018	09:00
#01/02 P. Contemprée, R. Roettgen	Predictive Maintenance as an Instrument of Industry 4.0	09:10
	Coffee break	09:50
Anne Kaaden, Ehrfeld Mikrotechnik	Guest lecture: Establishing Micro- and Millireactors for an Improved Future	10:30
#03/04 I. Al Khayat, P. Vaks	Multifunctional Reactors for the Production of Syngas for the Ammonia-Synthesis	11:20
	Lunch & Poster session (1)	12:00
Short Presentations	Project “Energiewandlung” (BA MAS / AEV)	13:00
#05/06 J. Efferoth, R. Hammerstein	The Idea of Multifunctional Reactors in the Past, the Development and Future Concepts for Extensive Process Automatization	13:20
	Coffee break & Poster session (2)	14:00
#07/08 P. Engel, C. Heisig	Modular Process Engineering: Approaches for solving the requirements of digital, modular plants	15:00
#09/10 M. Eirich, L. Hoelscher	Smart networked sensors in plant construction	15:40
	Poster award; Best presentation award	16:20
	End of Conference	16:40

A module of the Cologne
Process Engineering
master program