

The 13th Cologne Process Engineering Conference will be held on January 25, 2019

Venue: TH Köln, Hörsaal 14

This year, presentations are related to “**Multiphase Systems in Process Engineering**” and correspond to one of the five conference topics:

- Multiphase flows in pipes and reactors: Simulations and empirical models
- Heterogeneous catalysis: mass transfer vs. immobilization - a possible conflict of objectives
- Bubbles and foams in process engineering: bubbles as process tools and foam-based products
- Novel approaches to avoid foam generation with reduced side effects
- Multiphase challenges in bioreactors

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		Time
	Welcome to Process Engineering Conference	09:00
#01 Marcel Can Bozkurt	Heat transfer of boiling CO ₂ in minichannel reactors	09:10
#02 Lucas Kai Papendorf	New technologies for froth destruction and elimination in rectification columns	09:40
	Coffee break	10:10
Christian Malek	Guest lecture: <i>Research and development at :metabolon (TH Köln)</i>	10:30
#03: Sinje Bungard	Heterogeneous catalysis – Mass transfer vs. immobilization	11:15
Poster presentation	Short presentation of posters from other courses	11:45
	Lunch & Poster session (1)	12:00
#04 Igor Aleksic	Mechanical methods for defoaming in biogas plants	13:30
#05 Christian Gierden	Challenges caused by foam and how to deal with them in biogas plants	14:00
	Coffee break & Poster session (2)	14:30
#06 Tobias Brückner	Application of the supercritical CO ₂ polymer foaming process with respect to biodegradable polymers	15:30
#07: Isabela Hoffmann	Applications of polymer foaming process in cell research	16:00
	Poster award; Best presentation award	16:30
	End of Conference	16:45

A module of the Cologne
Process Engineering
master program