11 th Cologne Process Engineering Conference				Ce Technology Arts Sciences	
1	<u></u>	Institute of Chemical Process Engineering and		esign TH Köln	
The 11 th Cologne Process Engineering Conference will be held on February 01 and 02, 2018 Venue: TH Köln, Hörsaal 9 (Thursday) / Hörsaal 14 (Friday)					
This year, presentations are related to "Sustainable process engineering" and correspond					
to one of the five conference topics:					
1.					
2. Cradle-to-cradle principle to reduce raw materials consumption					
 Procedural approaches to avoid downcycling and contamination issues within novel recycling processes Production of base and specialty chemicals directly from CO₂, H₂O and renewable energies: Reactions, reactors, processes, costs 					
5.	5. Manufacturing fine chemicals and semi-finished products from renewable resources instead of fossil fuels				
Furthermore, there will be a poster presentation covering the different fields of activity of the					
Institute of Chemical Process Engineering and Plant Design					
	Conference	e Program / Thursday, 01 Feb	Time		
	#01 Lars Ludwig	Green methanol: Recycling CO2 and storing renewable energy	15:45		
	#02 Fessi, Charfeddine	Biodiesel production from waste cooking oil	16:15		
	#03 Thomas Cholewa	Biochemical production of 1,3-propanediol from glycerol	17:00		
	#04 Lukas Hillenbrand	Microbial electrosynthesis: mechanisms and possibilities	17:30		
	Conference	e Program / Friday, 02 Feb	Time	modu.	
	#05 Sebastian Schürheck	Carbon dioxide emissions-reduction technologies for industrial production of aluminum	09:00	A module Process of the master program program	
	#06 Alena Kasper	Energy efficiency and field of application of intensification of processes using ultrasound	09:30	aster Dine Coloc	
	Owen P. Jappen, Evonik	<i>Guest lecture:</i> Application of membrane technology for wastewater reduction and raw material recovery	10:00	program gne	
		Coffee break	10:45		
	#07 Tobias Wolf	Power-to-Liquid (PtL): An alternative source of fuel using CO_2 and H_2O as raw materials	11:15		
	#08 Marc-Philipp Betz	Bioenergy production from industrial wastewater by anaerobic membrane bioreactors	11:45		
		Lunch & Poster session (1)	12:15		
	#09 Georg Salmon	Power to methane – Integration of renewable energy sources	13:00		
	#10 Kadir Özcubukcu	How to utilize methane, produced by sustainable energy, as raw material in contrast to actual raw materials like oil	13:30		
		Coffee break & Poster session (2)	14:00		
	#11 Schöttke, Niklas	Solid Oxide Fuel Cells – Opportunities to supply energy in combined cycles with gas turbines	15:30		
	#12 Saskia Schlatter	Can biodegradability in terms of the cradle-to-cradle principle reduce the demand for raw materials?	16:00		
	#13 Tobias Esser	Bioplastics – An alternative to petroleum-based plastics?	16:30		
		Poster award; Best presentation award	17:00	Contact: Prof. DrIng. Tim Schubert	

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End of Conference

17:15