

Raum	Harmonie 1	Harmonie 2	Harmonie 3	Harmonie 4	Harmonie 5	Spektrum	Conclusio 1	Conclusio 2	Fantasie 1	Fantasie 2	Illusion 1	Illusion 2	Illusion 3	Logistik Hotspot	Consens	Entente	Logos/ Genius	Esprit	Discussion Corner	Dialog	Korall	Transparenz 1	Gast- und Begleitveranstaltungen																						
Halle	CMF	CMF	CMF	CMF	CMF	CMF	CMF	CMF	CMF	CMF	CMF	CMF	CMF	1.1	4.C	4.C	9.1	9.1	9.2	9.2	11.0	PH																							
Montag, 11.6.	Opening Session																						11:00	ACHEMA-Gründerpreis CMF, Harmonie 11:00 Automation im Dialog Halle 11.0, Stand F59 14:30 Lehrerfortbildung Halle 9.2, Dialog 18:30 Meet your Friends Agora/Forum																					
	Halle 4.0, Europa: Panel discussion Plastic free Europe?											Halle 4.0, Europa: Panel discussion Plastic free Europe?																																	
	15:00						Sustainability – renew, resource and rethink	Panel Discussion on Flow Chemistry: Challenges and opportunities of Micro Reaction Technologies	Materials and material processing Processing particles	Chemical engineering Plant control and optimization	CO <sub>2</sub> Plus: Broadening the Raw Material Base Value chains and European perspectives	Scalable milli and micro production technology for energy efficient continuous manufacturing in the process industry MI2Pro	European Process Safety Centre (EPSC) Live explosions	Flexible production Smart and flexible production	PRAXISForum: Pharma meets production Flexible and continuous manufacturing																														
Dienstag, 12.6.	10:30	Innovative process analytics	Industrial water management Perspectives in industrial water management	Biotech for chemistry Organisms	Future energy supply Electrochemical energy storage	Digitalisation	International powder and nanotechnology forum Simulation and modeling	Resource efficiency in the processing industry	Materials and material processing Particles, fibres...	Chemical engineering Digital plants	CO <sub>2</sub> Plus: Broadening the Raw Material Base Electro- and photocatalytic activation of CO <sub>2</sub>	Alloys and technologies for Steam Cracking Furnace Coils	European Process Safety Centre (EPSC) EPSC award lecture	Flexible production Automation and digitalisation	PRAXISForum: Chemical and pharma logistics	PRAXISForum: Innovative mixing and separation solutions Mixing technologies	Data exchange in the process industry	PRAXISForum: Safety first! Learning from incidents and performance optimisation					8:30 CTO Breakfast (gesonderte Einladung) 9:30 International Symposium: Safety and Health Protection in the Supply Chain of Chemicals DECHEMA-Haus, Franz-Patatz-Hörsaal 10:30 Start-up Forum Halle 9.2, Discussion Corner 11:00 Automation im Dialog Halle 11.0, Stand F59 13:00 Schülerveranstaltung Halle 8.1, Symmetrie 2+3 15:00 Chemie-Pharma-Logistik Halle 1.1, Logistik Hotspot 16:00 India Day Sensor-based production control 17:15 Japanese Reception Halle 4.C, Concorde 19:00 Frankfurter Abend im Römer (gesonderte Einladung)																						
	13:30	Halle 4.0, Europa: Panel discussion Digitalization meets Process Industry: Rewriting business models											Halle 4.0, Europa: Panel discussion Digitalization meets Process Industry: Rewriting business models																																
	15:00	Model based control in real life	WaVE-Projects: Water reuse in industry	Biotech for chemistry Developing processes I	Future energy supply PtX/CO <sub>2</sub> utilization	Pharmaceutical technology Upstream and downstream	International powder and nanotechnology forum Nanotechnology/Biotechnology	Mixing and separation technology Chromatography	Materials and material processing Materials characterisation	Chemical engineering Process design and modelling/simulation	Managing corrosion and fouling with Teflon™ solutions (Beginn: 13:30)	Handheld vibrational spectrometers	The Future of Process Safety Process safety case study	Flexible production Modular plant concepts I		PRAXISForum: Innovative mixing and separation solutions Filtration technologies	PRAXISForum: Advanced reactor design	PRAXISForum: Safety first! Learning from incidents and performance optimisation				PRAXISForum: Sensor-based production control New technologies																							
Mittwoch, 13.6.	10:30	Process analytical technology Bio-chemical processes I	Water treatment, water reuse and desalination	Biotech for chemistry Developing processes II	Future energy supply Integrated energy systems	Pharmaceutical technology Analytics and monitoring	International powder and nanotechnology forum Pharmaceutical science and technology	Mixing and separation technology Computational Fluid Dynamics (CFD) and mixing	Biotechnology for a sustainable bioeconomy I	Chemical engineering Plant operation	Membranes and membrane processes I	TERESA – Droplet entrainment and droplet reduction in mass transfer devices	Phytoextraction and technology	Flexible production Modular plant concepts II	Nickel Alloys for today's process industry Experiences, applications and perspectives	PRAXISForum: Lab of the future	PRAXISForum: Bioprocessing: Speed, flexibility, disposables Process control and optimisation	Flow chemistry symposium (Beginn: 9:55)					11:00 ACHEMA worldwide Business Forum: Revolutionizing Distribution and Supply Channels of China's Process Industry Halle 1.1, Logistik Hotspot 11:00 Automation im Dialog Halle 11.0, Stand F59 12:00 perspectives 2018: Wo bleibt der Mensch? (nur in Deutsch) Portalhaus, Transparenz 13:00 Schülerveranstaltung Halle 8.1, Symmetrie 2+3 14:00 GDCh: Arbeiten im Zeitalter von Industrie 4.0 (nur in Deutsch) DECHEMA-Haus, Max-Buchner-Hörsaal																						
	13:30	Halle 4.0, Europa: Plenary lecture Sustainable chemical value chains: New perspectives for sector coupling Leitner/Stielemann											Halle 4.0, Europa: Plenary lecture Sustainable chemical value chains: New perspectives for sector coupling Leitner / Stielemann																																
	15:00	Process analytical technology Bio-chemical processes II	Water treatment, water reuse and desalination	Biotech for chemistry Methane, metals and metabolites	Future energy supply Utilization of biomass	Pharmaceutical technology Automation and high throughput	International powder and nanotechnology forum Crystallization	Mixing and separation technology Filtration and separation	Biotechnology for a sustainable bioeconomy II	Chemical engineering Scale-up and economy of scale	Membranes and membrane processes II	TERESA – Droplet entrainment and droplet reduction in mass transfer devices	Process safety vision 20/20	Raw materials and alternative feedstocks Holistic approaches for the processing of raw materials	PRAXISForum: Pharma meets production Dosage forms, fill and finish	Nickel Alloys for today's process industry Experiences, applications and perspectives	PRAXISForum: Lab of the future	PRAXISForum: Bioprocessing: Speed, flexibility, disposables Novel bioprocess technologies	Flow chemistry symposium (Beginn: 14:45)																										
Donnerstag, 14.6.	10:30	Process analytical technology Spectroscopy and laser technology	Industrial water management Catalytic processes in water treatment	Laboratory technology I	Future energy supply Efficient use of heat	Pharmaceutical technology Sterilisation and decontamination	Materials and material processing Polymers and sealings	Mixing and separation technology Adsorption I	Biotechnology for a sustainable bioeconomy III	Chemical engineering Heat and steam	Reaction technology Microstructured reactors	Cyber security Why and how	Labour and process safety Explosion and fire protection	Raw materials and alternative feedstocks Biorefining processes	PRAXISForum: Pharma meets production Integrity and risk management	PRAXISForum: Innovative mixing and separation solutions Separation and mass transfer technologies	PRAXISForum: State-of-the-art in fluid handling Pumps, dosing and flow measurement	Boiling technologies	PRAXISForum: Future production			PRAXISForum: Sensor-based production control Smart sensing	10:00 jobvector Karriere-Treffpunkt Halle 9.2, Discussion Corner 10:30 WaterVent @ ACHEMA – Corporate Venturing Forum in the water-tech-nexus Halle 4.C, Alliance 11:00 Automation im Dialog Halle 11.0, Stand F59 11:00 China Reception Forum, Panorama 3 17:00 ACHEMA-Medienpreis Halle 9.2, Stand D74																						
	13:30	Halle 4.0, Europa: Plenary lecture DECHEMA prize winner lecture: Visible-light photoredox catalysis in flow – Towards a sustainable production of pharmaceuticals Noël											Halle 4.0, Europa: Plenary lecture DECHEMA prize winner lecture: Visible-light photoredox catalysis in flow – Towards a sustainable production of pharmaceuticals Noël																																
	15:00	Process analytical technology Smart manufacturing and big data	Industrial water management Valuables recovery from wastewater streams	Laboratory technology II	Electricity as a resource Results from the Fraunhofer Light-house Project	Pharmaceutical technology Coating and formulation	Materials and material processing Alloys	Mixing and separation technology Adsorption II	Biotechnology for a sustainable bioeconomy IV	Chemical engineering New processes	Reaction technology Advanced reactor concepts	Cyber security Why and how	Labour and process safety From model to practice	Raw materials and alternative feedstocks Biobased chemicals		PRAXISForum: Innovative mixing and separation solutions Separation and mass transfer technologies	PRAXISForum: State-of-the-art in fluid handling Cooling and fluidic handling components		PRAXISForum: Future production			PRAXISForum: Sensor-based production control Smart applications																							
Freitag, 15.6.	10:30	Process analytical technology Novel applications	Industrial water management Analysing and optimising water treatment processes	Particle characterisation primer The whys, the hows, the can'ts and the future	Chemical engineering Additive manufacturing	Pharmaceutical technology Labelling and traceability	Materials and material processing Coatings and corrosion inhibition	Mixing and separation technology Crystallisation and separation	InnoEMat – Innovative materials for electrochemistry	Chemical engineering Efficient and low emitting processes	Reaction technology Catalysis and kinetics		Labour and process safety Standards and software for safety	Raw materials and alternative feedstocks Alternative feedstocks	PRAXISForum: Pharma meets production Integrity and sterility								10:00 Informationsplattform für Ingenieure in der Produktion (nur in Deutsch) Halle 9.2 Discussion Corner 11:00 Automation im Dialog Halle 11.0, Stand F59																						

■ Flexible production   
 ■ Biotechnology   
 ■ Engineering   
 ■ Water technologies   
 ■ Mechanical processes   
 ■ Pharmaceutical technologies   
 ■ Laboratory and analytical techniques  
■ Materials technology and testing   
■ Energy   
■ Process analytics   
■ Industrial and labour safety   
■ Raw materials   
■ Chemical and pharma logistics   
■ Pumps, compressors, valves and fittings

Das ausführliche Vortragsprogramm finden Sie unter [www.achema.de/kongress](http://www.achema.de/kongress)  
 The complete lecture programme is available at [www.achema.de/en/congress](http://www.achema.de/en/congress)