

	Raum/ Bühne	Expert Forum	Siemens Digital Innovation Stage	Granat	Karmesin	Korall	Discussion Corner	Logos	Genios	Esprit	Motiv	Sy	
	Halle	12.0	11.0	11.0	11.0	11.0	9.1	9.1	9.1	9.1	9.1		
Hydrogen economy	Nachmittag	Montag, 22.8.	Halle 4.0, Saal Europa: Highlight-Session Hydrogen: Unlocking the future potential										
			Thema	Inorganic raw materials in a circular economy	CDO talk	Additive manufacturing			Opportunities and challenges for the chemical industry in the industrial transformation Kopernikus project Ariadne	Industrial water management Water treatment	New Power-to-X concepts and technologies Power-to-X processes	CCPS Process Safety – digitalization and cyber security 1	
			Session-Titel	Closing inorganic raw materials cycles with novel technologies and concepts	Digital transformation in process industries								
		17:00	Forum, Ebene 1: Eröffnung Climate neutral chemical industry 2050										
Fossil-free production	Vormittag	Dienstag, 23.8.	Thema	Innovative mixing and separation solutions	The digital plant	Instrumentation, control and automation techniques	Digitalization in process industry	Materials technology and testing	Exploration, validation and implementation of Power-to-X concepts Kopernikus project P2X	Industrial water management Enhanced water treatment	Using resources adequately for safety – efficiency of safety studies and safety design	CCPS Process Safety – digitalization and cyber security 2	Engineering
			Session-Titel	Adsorption and multiphase operations I	Digital operations and predictive maintenance	Sensor connectivity and protection	Digital infrastructure						Engineering – modules, reactors and plants
			13:30 – 14:30	Halle 4.0, Saal Europa: Highlight-Session Fossil-free production									
	Nachmittag		Thema	Innovative mixing and separation solutions	The digital plant	Instrumentation, control and automation techniques	Industrial intelligence and sensor-based process control	Symposium VDM Metals	Modular production – a paradigm shift for the process industry	Industrial water management WATER-MINING: Developing circular solutions for smart water management	Circular economy of carbon materials – chemical recycling Recycling of polymers	EPSC – European Process Safety Centre	TransHyDE – Hydrogen transport infrastructure
		Session-Titel	Adsorption and multiphase operations II	Digital twins, infrastructure and systems	Monitoring and control	Connectivity		Modular plant concepts					
Perspectives in laboratory and analytics	Vormittag	Mittwoch, 24.8.	Thema	Mechanical processes	Modular and connected production	Industrial intelligence and sensor-based process control	Modular production – a paradigm shift for the process industry	Materials and material processing	Flow Chemistry Symposium	Engineering	Safety and security	Digitalization in process industry	Modular production – a paradigm shift for the process industry
			Session-Titel		Expert insights and best practice reports	Process analytical technology	Modular plants and automation	Coatings and particles		Engineering – pharma and chemical applications	Safety and security I	Application and implementation	Application concepts
			13:30 – 14:30	Halle 4.0, Saal Europa: Highlight-Session Laboratory and analytical techniques									
	Nachmittag		Thema	Innovative product design in mechanical process engineering	Modular and connected production	Industrial intelligence and sensor-based process control	Modular production – a paradigm shift for the process industry	Materials and material processing	Flow Chemistry Symposium	Modular production – a paradigm shift for the process industry	Industrial and labour safety	Plant design and maintenance	Industrial water management
		Session-Titel	Materials in motion	5G, cloud and edge computing, field-level communication	Process analytical technology and control	Orchestration and integration	Corrosion and upscaling		Engineering		Digital twins in design and maintenance	Smart water solutions	
Digitalization in process industries	Vormittag	Donnerstag, 25.8.	Thema	Innovative mixing and separation solutions	Data-driven innovation	Industrial intelligence and sensor-based process control		Digitalization in process industry	Flow Chemistry Symposium	Plant design and maintenance	Safety and security		Technology deployment @ Evonik
			Session-Titel		Digital twins in engineering	Optical sensors and imaging		Digital twin		Maintenance in process industry	Safety and security II		
			13:30 – 14:30	Halle 4.0, Saal Europa: Highlight-Session Digitalization in process industries									
	Nachmittag		Thema	Trends in national BMBF funded research	Data-driven innovation	Industrial intelligence and sensor-based process control		Digitalization in process industry	Flow Chemistry Symposium	Plant design and maintenance	Plant design and maintenance		Modular production – a paradigm shift for the process industry
		Session-Titel	Digitalization of materials & bio-inspired materials	Best practices in big data analytics, artificial intelligence and machine learning	Digital twin		Data analytics and modelling		Reactor design	Plant design		Application in polymerization	
Novel bioprocesses and technologies	Vormittag	Freitag, 26.8.	Halle 4.0, Saal Europa: Highlight-Session Novel bioprocesses and technologies										
			Thema		Digital driving sustainability			Bioprocessing: Bioreactors, process development and control Digital sensors and concepts	Informationsplattform für Ingenieure in der Produktion (in German only) – from 10:30	The role of biorefineries in the circular bioeconomy Biorefinery concepts for value creation from residual biomass	The role of biorefineries in the circular bioeconomy Biorefinery processes for the valorization of side streams		
		Session-Titel		Innovative start-ups, expert insights and best practice reports									

Metrie 2/3	Transparenz 1	EY Innovation Stage	Europa	Consens	Entente	Alliance	Concorde	Aktionsfläche Digital Lab	Pharma Innovation Stage	Max-Buchner-Hörsaal	Events
8.1	Portalhaus	6.0	4.0	4.C	4.C	4.C	4.C	4.1	3.0	DECHEMA	
Halle 4.0, Saal Europa: Highlight-Session Hydrogen: Unlocking the future potential											
		Hydrogen economy Green, turquoise, blue: Unlocking the future potential	Making hydrogen sustainable – an offshore approach Flagship project H ₂ Mare	Industrialisation of water electrolysis for green hydrogen on a gigawatt scale Flagship project H ₂ Giga	Hydrogen: Unlocking the future potential Transport and infrastructure for hydrogen	Hydrogen: Unlocking the future potential Handling of hydrogen	Hydrogen: Unlocking the future potential Materials for hydrogen	The digital lab Use cases, expert insights and best practices reports	Pharma innovation update Expert insights and best practice reports	2nd Sustainability Session – Circular Plastic (14:00 – 16:00) Organized by Young Chemists Network (JCF) of the German Chemical Society (GDCh)	9:00 Innovationswettbewerb „Plant Service Robot“ Halle 11.0, Stand E27 (ganztägig) 11:00 Automation im Dialog Halle 11.0, Stand E15
Forum, Ebene 1: Eröffnung Climate-neutral chemical industry 2050											
Compressors, valves and fittings	Data integration in process industry summit (DEXPI Group)	Fossil-free production Expert insights and best practice reports for climate neutrality	Carbon-neutral production sites On the pathway to decarbonise the process industry I	Carbon2Chem® – building block for climate protection	InnovA4Mix: Innovative equipment technologies for mixture evaporation and condensation in the process industries	Carbon-neutral production sites Novel processes to reduce CO ₂ emissions	Polymers from renewable carbon sources for circular economy	Laboratory and analytical techniques Laboratory equipment and automation	Pharmaceutical, packaging and storage techniques	International Powder and Nanotechnology Forum 2022 Nanotechnology	9:00 Innovationswettbewerb „Plant Service Robot“ Halle 11.0, Stand E27 (ganztägig) 11:00 Automation im Dialog Halle 11.0, Stand E15 16:00 India Day Portalhaus, Ebene 1, Transparenz 2
Flow trends for pumps	Data integration in process industry summit (DEXPI Group)	Fossil-free production Expert insights and best practice reports for climate neutrality	Carbon-neutral production sites On the pathway to decarbonise the process industry II	Carbon2Chem® – research and development	CO₂-WIN: CO₂ as a sustainable source of carbon – pathways to industrial application	Carbon-neutral production sites CO ₂ conversion	International perspective on Power-to-X	The digital lab Use cases, expert insights and best practices reports	Pharma innovation update Expert insights and best practice reports	International Powder and Nanotechnology Forum 2022 Crystallisation	17:30 Japanese Reception Halle 4.C, Concorde
Halle 4.0, Saal Europa: Highlight-Session Fossil-free production											
Compressors, valves and fittings	Data integration in process industry summit (DEXPI Group)	Start-up day Start-up pitches and expert discussions	Innovative product design in process engineering Innovative heat transfer equipment	Research and innovation Research and innovation I	The EGNATON guide to the sustainable laboratory	Strategies to a circular economy in plastics: the role of European diversity (9:45 – 18:00)		The digital lab: miniaturised, automated, digitalized	(Bio)Pharma meets production Innovative production	International Powder and Nanotechnology Forum 2022 Joint session of pharmaceutical and simulation	9:00 Innovationswettbewerb „Plant Service Robot“ Halle 11.0, Stand E27 (ganztägig) 11:00 Automation im Dialog Halle 11.0, Stand E15
Flow trends for seals	Data integration in process industry summit (DEXPI Group)	Start-up day ACHEMA Start-up Award forum & ceremony	Thermal processes	Energy flexible factories as an opportunity for industry Kopernikus project SynErgie	The EGNATON guide to the sustainable laboratory	Strategies to a circular economy in plastics: the role of European diversity (9:45 – 18:00)		The digital lab Use cases, expert insights and best practices reports	Pharma innovation update Expert insights and best practice reports		17:00 Verleihung des AICHEMA-Gründerpreises Halle 6.0, EY Innovation Stage 17:15 Spanish Reception Halle 4.C, Concorde
Halle 4.0, Saal Europa: Highlight-Session Laboratory and analytical techniques											
Compressors, valves and fittings: State of the art in fluid handling		Circular economy Keynote by Dr. Klaus Schäfer, CTO Covestro, followed by expert insights and best practice report	Career Forum	Circular economy of carbon materials – chemical recycling Aspects of circular economy and resource efficiency	Research and innovation Research and innovation II			Laboratory and analytical techniques Analytical techniques	(Bio)Pharma meets production Modular plant concepts	CAFIPLA – Better ways for biowaste How to improve valorization processes for bio-based products	9:00 Innovationswettbewerb „Plant Service Robot“ Halle 11.0, Stand E27 (ganztägig) 11:00 Automation im Dialog Halle 11.0, Stand E15 11:00 China Reception Portalhaus, Ebene 1, Transparenz 2
Modeling tools and pressure relief		Circular economy Expert insights and best practice reports for closing the loops	Membranes and membrane processes					The digital lab Use cases, expert insights and best practices reports	Pharma innovation update Expert insights and best practice reports	CAFIPLA – better ways for biowaste How to improve valorization processes for bio-based products	17:00 AICHEMA-Medienpreis Halle 6.0, EY Innovation Stage
Halle 4.0, Saal Europa: Highlight-Session Digitalization in process industries											
Halle 4.0, Saal Europa: Highlight-Session Novel bioprocesses and technologies											
		Bio-based economy Novel bioprocesses, technologies and business models	Bioprocessing: bioreactors, process development and control White biotechnology	Extraction	Bioprocessing: bioreactors, process development and control Modelling			Bioprocessing: bioreactors, process development and control Spectroscopy, microscopy and lighting	(Bio)Pharma meets production Downstream		9:00 Innovationswettbewerb „Plant Service Robot“ Halle 11.0, Stand E27 (ganztägig)