

| | Room/ Stage | Expert Forum | Siemens Digital Innovation Stage | Granat | Karmesin | Korall | Discussion Corner | Logos | Genios | Esprit | Motiv | Sy | |
|--|-----------------|----------------------|--|---|---|--|--|---|---|--|--|---|--|
| | Hall | 12.0 | 11.0 | 11.0 | 11.0 | 11.0 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | | |
| Hydrogen economy | Morning | Monday, 22 August | Hall 4.0, Room Europa: Highlight Session Hydrogen: Unlocking the future potential | | | | | | | | | | |
| | | | Topic | Inorganic raw materials in a circular economy | CDO talk | Additive manufacturing | | | Opportunities and challenges for the chemical industry in the industrial transformation | Industrial water management | New Power-to-X concepts and technologies | CCPS Process Safety – digitalization and cyber security 1 | |
| | | | Session title | Closing inorganic raw materials cycles with novel technologies and concepts | Digital transformation in process industries | | | Kopernikus project Ariadne | Water treatment | Power-to-X processes | | | |
| | | | 17:00 h | Forum, Level 1: Opening Climate-neutral chemical industry 2050 | | | | | | | | | |
| Fossil-free production | Morning | Tuesday, 23 August | Topic | Innovative mixing and separation solutions | The digital plant | Instrumentation, control and automation techniques | Digitalization in the process industry | Materials technology and testing | Exploration, validation and implementation of Power-to-X concepts | Industrial water management | Using resources adequately for safety – efficiency of safety studies and safety design | CCPS Process Safety – digitalization and cyber security 2 | Engineering |
| | | | Session title | Adsorption and multiphase operations I | Digital operations and predictive maintenance | Sensor connectivity and protection | Digital infrastructure | | Kopernikus project P2X | Enhanced water treatment | | | Engineering – modules, reactors and plants |
| | 13:30 – 14:30 h | | Hall 4.0, Room Europa: Highlight Session Fossil-free production | | | | | | | | | | |
| | Afternoon | | Topic | 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 | Carbon economy of carbon materials – chemical recycling | EPSC – European Process Safety Centre | TransHyDE – Hydrogen transport infrastructure |
| Perspectives in laboratory and analytics | Morning | Wednesday, 24 August | Topic | 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 the process industry | Modular production – a paradigm shift for the process industry |
| | | | Session title | | 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 h | | Hall 4.0, Room Europa: Highlight Session Laboratory and analytical techniques | | | | | | | | | | |
| | Afternoon | | Topic | 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 |
| Digitalization in process industries | Morning | Thursday, 25 August | Topic | 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 title | | Digital twins in engineering | Optical sensors and imaging | | Digital twin | | Maintenance in process industry | Safety and security II | | |
| | 13:30 – 14:30 h | | Hall 4.0, Room Europa: Highlight Session Digitalization in process industries | | | | | | | | | | |
| | Afternoon | | Topic | 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 |
| Novel bioprocesses and technologies | Morning | Friday, 26 August | Hall 4.0, Room Europa: Highlight Session Novel bioprocesses and technologies | | | | | | | | | | |
| | | | Topic | | Digital driving sustainability | | | Bioprocessing: Bioreactors, process development and control | Informations-plattform für Ingenieure in der Produktion | The role of biorefineries in the circular bioeconomy | The role of biorefineries in the circular bioeconomy | | |
| | | | Session title | | Innovative start-ups, expert insights and best practice reports | | | Digital sensors and concepts | (in German only) – from 10:30 h | Biorefinery concepts for value creation from residual biomass | Biorefinery processes for the valorization of side streams | | |
| | | | 10:30 – 11:30 h | | | | | | | | | | |

| metrie 2/3 | Transparenz 1 | EY Innovation Stage | Europa | Consens | Entente | Alliance | Concorde | Action Area Digital Lab | Pharma Innovation Stage | Max-Buchner-Auditorium | Side Events |
|---|--|---|---|---|---|---|---|---|--|---|---|
| 8.1 | Portalhaus | 6.0 | 4.0 | 4.C | 4.C | 4.C | 4.C | 4.1 | 3.0 | DECHEMA | |
| Hall 4.0, Room Europa: Highlight Session Hydrogen: Unlocking the future potential | | | | | | | | | | | <p>9:00 h Innovation Challenge "Plant Service Robot" Hall 11.0, Stand E27 (all day)</p> <p>11:00 h Automation in Dialog Hall 11.0, Stand E15</p> |
| | | 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 h) Organized by Young Chemists Network (ICF) of the German Chemical Society (GDCh) | |
| Forum, Level 1: Opening Climate-neutral chemical industry 2050 | | | | | | | | | | | |
| Pumps, 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 | InnovAAMix: 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 | <p>9:00 h Innovation Challenge "Plant Service Robot" Hall 11.0, Stand E27 (all day)</p> <p>11:00 h Automation in Dialog Hall 11.0, Stand E15</p> <p>16:00 h India Day Portalhaus, Level 1, Transparenz 2</p> |
| Flow trends for pumps | | | | | | | | | | | |
| Hall 4.0, Room Europa: Highlight Session Fossil-free production | | | | | | | | | | | |
| | 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 | <p>17:30 h Japanese Reception Hall 4.C, Concorde</p> |
| Pumps, 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 for a circular economy in plastics (9:45 – 18:00 h) | | The digital lab: miniaturised, automated, digitalized | (Bio)Pharma meets production Innovative production | International Powder and Nanotechnology Forum 2022 Joint session of pharmaceutical and simulation | <p>9:00 h Innovation Challenge "Plant Service Robot" Hall 11.0, Stand E27 (all day)</p> <p>11:00 h Automation in Dialog Hall 11.0, Stand E15</p> |
| Flow trends for seals | | | | | | | | | | | |
| Hall 4.0, Room Europa: Highlight Session Laboratory and analytical techniques | | | | | | | | | | | <p>17:00 h ACHEMA Start-up Award ceremony Hall 6.0, EY Innovation Stage</p> <p>17:15 h Spanish Reception Hall 4.C, Concorde</p> |
| | 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 for a circular economy in plastics (9:45 – 18:00 h) | | The digital lab Use cases, expert insights and best practices reports | Pharma innovation update Expert insights and best practice reports | | |
| Pumps, 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 valorisation processes for bio-based products | <p>9:00 h Innovation Challenge "Plant Service Robot" Hall 11.0, Stand E27 (all day)</p> <p>11:00 h Automation in Dialog Hall 11.0, Stand E15</p> <p>11:00 h China Reception Portalhaus, Level 1, Transparenz 2</p> |
| Modeling tools and pressure relief | | | | | | | | | | | |
| Hall 4.0, Room Europa: Highlight Session Digitalization in process industries | | | | | | | | | | | <p>17:00 h ACHEMA Media Award Hall 6.0, EY Innovation Stage</p> |
| | | 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 | |
| Hall 4.0, Room Europa: Highlight Session Novel bioprocesses and technologies | | | | | | | | | | | <p>9:00 h Innovation Challenge "Plant Service Robot" Hall 11.0, Stand E27 (all day)</p> |
| | | 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 | | |