



# Programme Day 1 – 16 March

8:45 am

## Registration & walking breakfast

The kick-off event will be the opening of the exhibition – representatives of innovative Industrie 4.0 initiatives from the countries of the G20 will present their projects and give you the opportunity to enter into discussion and connect with them.

10:00 am

## Opening speeches

Taking the perspective of Germany and China, two speakers will present the effects that the digital transformation is having on their economies, as well as on the global economy.

## Shaping global digitalisation of production: How to unleash global economic potential

**Matthias Machnig**, State Secretary at the Federal Ministry for Economic Affairs and Energy (Germany)

**An Xiaopeng**, Deputy Director General, Department of Information Technology Application and Software Services, MIIT (China)

10:30 am

## Digital trends in production and industry

### Keynote ‘Smart manufacturing in times of digitalisation: How to deal with (un)certainties and concerns’

**Tobias Ortwein**, Partner, Advisory Services, EY

### Panel discussion ‘Factories of the future – from global value chains to interconnected global value networks’

What developments determine the strategy of a multinational enterprise? How can SMEs benefit from digital transformation? How do we best deal with the new global interconnectedness within the value network? CEOs from various countries will present insights into the strategic and technological decisions that are shaping the digital future of their businesses.

**Mauro Fenzi**, CEO, Comau S.p.A.

**Susanto Irwan**, Founder, Sensify Security

**Dr. Jan Michael Mrosik**, CEO Digital Factory Division, Siemens

**Karthikeyan Natarajan**, Senior Vice President, Global Head of Engineering Practice, Tech Mahindra; Co-Chair, Engineering Council, NASSCOM

**Prof. Dr.-Ing. Stephan Reimelt**, CEO, GE Deutschland

12:00 pm

## Lunch break

1:30 pm

## **Panel II ‘Shaping the future of industry together: What are the main opportunities and challenges and how can Industrie 4.0 initiatives enhance progress in digital production processes?’**

Objective of the panel is to showcase different ways of joint national efforts and to present best practices. Panelists will discuss how national initiatives can facilitate and fasten the process of shaping digitalisation in manufacturing together and what are the most urgent challenges and tasks.

**Mario Buisán**, Director General of Industry and SMEs, Ministry of Economy, Industry and Competitiveness; Industria conectada 4.0 (Spain)

**Prof. Dr. Bronwyn Fox**, Director of the Manufacturing Futures Research Institute, Swinburne University of Technology; Exemplars of Initiatives from the Prime Minister’s Industry 4.0 Taskforce (Australia)

**Benjamin Gallezot**, Deputy Director-General for Enterprise at the French Ministry for the Economy and Finance; Industrie du Futur (France)

**Prof. Dr. Henning Kagermann**, President acatech – National Academy of Science and Engineering, Global Representative und Advisor, Plattform Industrie 4.0 (Germany)

**Prof. Dong Sub Kim**, Head, Institute for Future Industry Strategy, Ulsan National Institute of Science and Technology; 4th Industrial Revolution Forum (Korea)

**Yutaka Manchu**, Deputy Secretary-General, Robot Revolution Initiative (Japan)

**Ricardo del Olmo**, Head of the Government Procurement Unit; Roadmap Industry 4.0 (Mexico)

**Khalil Rouhana**, Deputy Director-General and Director for Digital Industry, DG Connect, European Commission; Digitising European Industry (EU)

2:30 pm

## **Interactive Panels 1**

Interactive panel discussions will provide room for more in-depth discussion. Participants are invited to analyse problems, develop new ideas and discuss courses of action.

- Cooperation in a new dimension: the international testbed network
- Regulatory challenges of Industrie 4.0
- Pathways to the future of production
- Data sovereignty in global value networks

4:00 pm

## **Coffee break**

4:30 pm

## **Interactive Panels 2**

- Industrial cyber-security - Facilitating secure Industrial Internet of Things/ Industrie 4.0
- Smart Cities: Digitalisation put into practice
- A shift towards sustainability: How can Industrie 4.0 promote circular economy?

6:00 pm

## **Summary of the workshops**

6:30 pm

## **Magical entertainment**

**Christoph Wilke**

7:00 pm

## **Dinner reception**

The dinner reception will offer an excellent networking opportunity.



# Programme Day 2 – 17 March

<b>9:00 am</b>	<b>Welcome to Day 2</b>
<b>9:10 am</b>	<b>Interactive Panels 3</b> <ul style="list-style-type: none"><li>→ Infrastructure: Optical communication in space</li><li>→ Upgrading SMEs for the digitised value chain</li><li>→ Impact of digitising on developing and emerging countries</li></ul>
<b>10:30 am</b>	<b>Coffee break</b>
<b>11:00 am</b>	<b>Keynote: Seizing opportunities - involvement of all stakeholders is key to meet economic and societal challenges of digital transformation in G20</b> <b>Brigitte Zypries</b> , Federal Minister for Economic Affairs and Energy
<b>11:30 am</b>	<b>The human factor – How digitised manufacturing changes the way we work, consume and live</b> <b>Prof. Krystyn Van Vliet</b> , Professor of Materials Science and Engineering, Massachusetts Institute of Technology (MIT); Director of Manufacturing Innovation, MIT Innovation Initiative
<b>12:00 pm</b>	<b>Lunch</b>
<b>1:15 pm</b>	<b>Interactive Panels 4</b> <ul style="list-style-type: none"><li>→ Global Industrie 4.0 Standards: challenges and opportunities</li><li>→ Artificial intelligence for Industrie 4.0</li><li>→ The future of work and skills in the digitisation - experiences and best practices</li></ul>
<b>2:30 pm</b>	<b>Global Impacts of digitalisation</b> Renowned experts from different sectors discuss the effects of digitalisation beyond the economic perspective – how society will adapt and what power shifts are to be expected? Is a digitized industry a driver for less democratic structures? Are there any strategies to tackle the increasing disparities between economies worldwide? How can new models of development look like that ensure the socializing of profits in accordance with the risk borne?

## **Panel ‘Game changer digitalisation? Global impacts of digitising industry’**

*Impulse statement and Co-moderation:*

**Helena Leurent**, Head of Government Engagement, Member of the Executive Committee, World Economic Forum

**Sharan Burrow**, Secretary General, International Trade Union Confederation (ITUC)

**Philippe Darmayan**, President, ArcelorMittal France; President, Industrie du Futur

**Bahadır Kaleağası**, Secretary General, Turkish Industry and Business Association (TÜSİAD)

**Robert Koopman**, Chief Economist, WTO

**Vasily Osmakov**, Deputy Minister of Industry and Trade of the Russian Federation

**Marcos de Souza**, Secretary of Innovation, Ministry of Industry, Brazil

**Prof. Subra Suresh**, President of Carnegie Mellon University

**3:50 pm**

### **Closing remarks**

**Dr. Wolfgang Scheremet**, Director-General Industrial Policy, German Federal Ministry for Economic Affairs and Energy

**4:00 pm**

### **Official end of the conference**