



Federal Ministry
for Economic Affairs
and Energy



G20 GERMANY 2017

Invitation

Programme

Information

Digitising Manufacturing in the G20 – Initiatives, Best Practices and Policy Approaches

16 – 17 March 2017, Berlin





Invitation



Dear Sir or Madam,

I am pleased to invite you to the conference “Digitising Manufacturing in the G20 – Initiatives, Best Practices and Policy Approaches” on 16 and 17 March 2017 at the bcc Berlin Congress Center.

Under the German G20 Presidency, “Shaping an Interconnected World”, ministers with responsibility for the digital economy will meet for the first time on 6 -7 April 2017. In this context, the Ministry for Economic Affairs and Energy is organising an event which focuses in particular on the manufacturing sector. The digitalised industry – Industrie 4.0 as we call it in Germany – has a potential to foster the global wellbeing through a more efficient and sustainable production.

It will be my pleasure to open this conference, which will serve as a platform for top level stakeholders and decision makers from industry, governments and civil society, as well as such initiatives as the German “Plattform Industrie 4.0” from all G20 states for a two days’ exchange and discussion.

A mixture of plenary and workshop sessions, and manifold networking possibilities will give you the opportunity to explore and discuss the concepts, ideas and approaches of the G20 states in the field of digitalisation in the manufacturing sector to unleash a new global economic potential. We will focus on how digitalisation affects the G20 states, discuss regulatory concepts and approaches with regard to Industry 4.0 topics, such as IT-security, standardisation, global workforce development, societal issues, transformations of global value chains, cycle economy and present best practices.

If you have any questions, please contact: G20-digitising-manufacturing-conference@bmwi-registrierung.de

I would appreciate it if you could forward this invitation to any interested stakeholder.

I look forward to welcoming you in Berlin and would appreciate your active participation in the conference.

Yours faithfully,

Matthias Machnig,
State Secretary at the German Federal Ministry
for Economic Affairs and Energy



Programme Day 1 – 16 March

Moderator: **Melinda Crane**

08:45 am

Registration & walking breakfast

The conference's kick off is the opening of the exhibition – representatives from 20 innovative initiatives from the G20 states present their projects and give you the opportunity to discuss 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: Chances to unleash global economic potentials'

Matthias Machnig, State Secretary at the German Federal Ministry for Economic Affairs and Energy
N.N. (China)

10:30 am

Digital trends in production and industry

This module showcases the transformation in various economic environments. What developments determine the strategy of a multinational enterprise? How can a SME cover the financial risks after having dramatically changed its own business model? How to deal with a new global interconnectedness within the value network? CEOs from countries all over the world will present the situation of their companies providing insights into major strategic and technological decisions that shape the future of their businesses.

Keynote 'Digitalisation of industry and competitiveness'

Markus Heinen, Chief Innovation Officer, EY

Panel I 'Factories of the future – from global value chains to interconnected global value networks'

Among others:

Oleg Bagrin, CEO, NLMK – Novolipetsk Steel (Russia) (tbc)





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

Dr. Carlos Härtel, Director, GE Global Research Europe; Chief Technology Officer, GE Europe

Susanto Irwan, Founder, Sensify Security

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

N.N., Huawei (requested)

12:00 am

Lunch break

1:30 pm

Panel II ‘Shaping the future of industry together: What are the main opportunities and challenges and how can Industry 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.

Co. – moderator: **Khalil Rouhana**, Deputy Director-General and Director for Digital Industry, DG Connect, European Commission; Digitising European Industry

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

Prof. Dr. Henning Kagermann, 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)

Tadashi Okamura, Chairperson, Robot Revolution Initiative (Japan) (tbc)

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

N.N., Prime Minister's Industry 4.0 Taskforce (Australia)





Invitation

Programme

Information

2:30 pm

Break-out session 1

Interactive panels will give room for a more in-depth discussion. Participants are invited to analyse problems, develop new ideas and discuss courses of action. Each workshop is presented by a highly regarded expert of their field.

- **Cooperation in a new dimension:** the international testbed network
- **Regulatory challenges of Industry 4.0**
- **Pathways to the Future of Production**
- **Data Sovereignty in Global Value Networks**

4:00 pm

Coffee break

4:30 pm

Break-out session 2

The second session of interactive panel discussions will focus on:

- **Industrial-Cyber-Security:** global defence strategies
- **Use cases:** Digitalisation put into practice
- **Opportunities and threats** of Industry 4.0 on Circular Economy

6:10 pm

Summary of the workshops

7:00 pm

Dinner reception

The dinner reception will offer an excellent networking opportunity. Fuelled by an inspiring keynote that will surely change perspectives, the evening is only the beginning of informal exchange and lots of new contacts.

Dinner Speech

Prof. Krystyn Van Vliet, Professor of Materials Science and Engineering, Massachusetts Institute of Technology (MIT); Director of Manufacturing Innovation, MIT Innovation Initiative





Programme Day 2 – 17 March

Moderator: **Melinda Crane**

- | | |
|----------|--|
| 8:00 am | Registration |
| 9:00 am | Welcome to Day 2 |
| 9:10 am | Break-out session 3
The third session of interactive panel discussion.
→ Infrastructure: Optical Communication in Space
→ Upgrading SMEs for digitised value chain
→ Impact of Digitising on developing and emerging countries |
| 10:30 am | Coffee Break |
| 11:00 am | Strategic approaches towards a digital industry: How can governments support the digital transformation?

Keynote ‘Seizing opportunities and involvement of all stakeholders is key to meet economic and social challenges of the digital transformation in G20’
Brigitte Zypries , Federal Minister for Economic Affairs and Energy |
| 12:00 am | Lunch |
| 1:15 pm | Break-out session 4
The fourth and last session.
→ Global Industry 4.0 Standards: challenges and opportunities
→ Artificial Intelligence for Industrie 4.0
→ The future of work and skills in the digitisation – experiences and best practices |





Invitation

Programme

Information

2:30 pm

Global impacts of digitalisation

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 digitised 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 socialising of profits in accordance with the risk borne?

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

Impulse Statement and co. – moderator: **Helena Laurent**, Head of Government Engagement, Member of the Executive Committee, World Economic Forum

Panellists:

Robert Koopman, Director of the Economic Research and Statistic Division (WTO)

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

N.N., Oxfam International (tbc)

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

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

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

Subra Suresh, President of Carnegie Mellon University

4:00 pm

Official end of the conference

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





Information

Registration

Please register here: www.bmwi-registrierung.de/g20-digitising-manufacturing-conference

Organisation

If you have any questions, please contact the organisation team: g20-digitising-manufacturing-conference@bmwi-registrierung.de

Venue

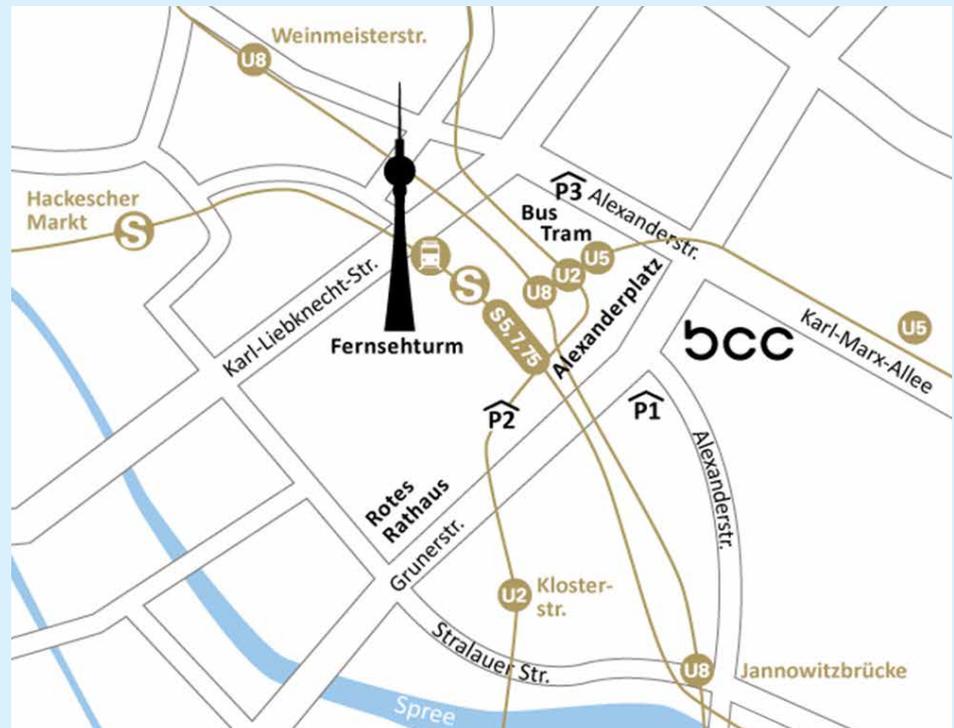
bcc Berlin Congress Center
Alexanderstraße 11
10178 Berlin

Arrival by bus and train

- U-Bahn: U2, U5, U8
- S-Bahn: S5, S7, S8
- Bus: TXL (Airport), 100, 200, 248, N5, N65, N8
- Metro: M4, M5, M6, M48, N92

Parking (fee required)

- Alexa Shopping Centre (P1)
- Rathauspassagen (P2)
- Q-Park Alexanderplatz (P3)





Information

Hotels

Below you will find a selection of hotels that are located close to the Congress Center. Please note that the German Federal Ministry for Economic Affairs and Energy does not cover any accommodation costs.

Park Inn by Radisson Berlin Alexanderplatz

Alexanderplatz 7

10178 Berlin

[Hotel website](#)

Motel One Hackescher Markt

Dircksenstraße 36

10179 Berlin

[Hotel website](#)

Mercure Hotel Berlin am Alexanderplatz

Mollstrasse 4

10178 Berlin

[Hotel website](#)

RAMADA Hotel Berlin Alexanderplatz

Karl-Liebknecht-Straße 32

10178 Berlin

[Hotel website](#)

