

Registration

The conference is free of charge!

If you want to stay in contact with us you can register on the THI homepage:

www.thi.de/go/industry-40

If you register you will get **exclusive access** to the presentation documents before the conference date.

Stay tuned with us on Facebook: #MAPETronica



facebook.com/events/151055902184897/

Sponsored by



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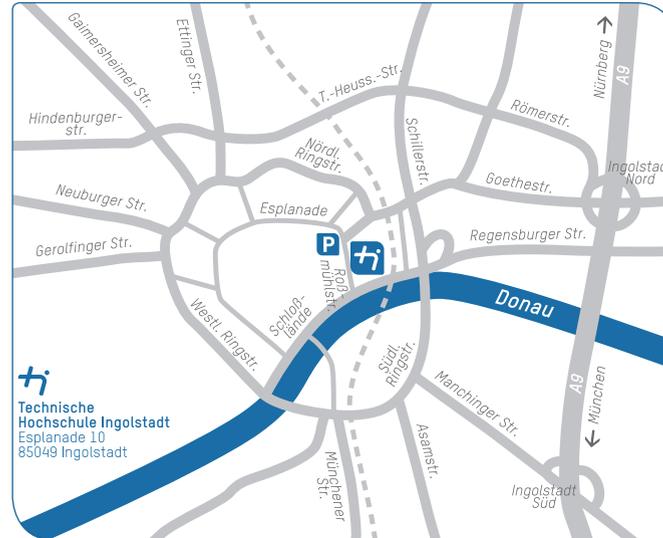
Technische Hochschule Ingolstadt

Esplanade 10

85049 Ingolstadt

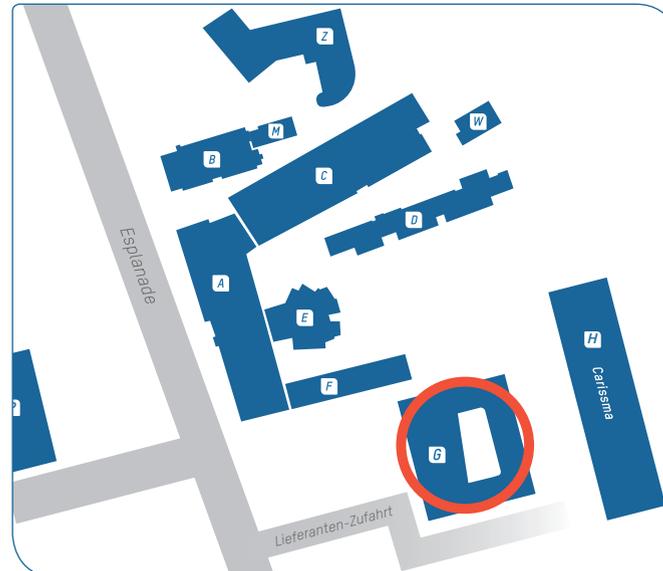
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Come and join us at THI



There is a limited number of parking spaces at Technische Hochschule Ingolstadt. Further parking facilities are available at the underground car park "Am Schloss" or "Congressgarage".

Where to find us



Technische Hochschule
Ingolstadt

MAPETronica Conference about Industry 4.0

Jan. 12th 2018

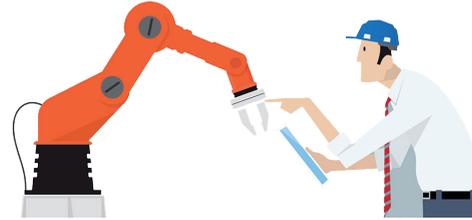
Hosted by students of
Master Automotive Production
Engineering

Conference Program

- 9.00-9.15 *Introduction to the Conference*
- 9.15-9.40 *Session 1: IoT and Big Data*
"Is the Internet of Things already changing our working life?"
- 9.40-10.10 *Session 2: Production*
"How the production becomes sensitive and reactive!"
- 10.10-10.30 *Session 3: Logistics & Procurement*
"New ways of transportation - will logistics go into the air?"
- 10.30-10.45 *Short Break*
- 10.45-11.15 *Continental AG: Production 4.0*
- 11.15-13.15 *Presentations by guest speakers divided in rooms G117 and G304*
- | | <i>Room G117</i> | <i>Room G304</i> |
|-------|----------------------|-------------------|
| 11.15 | KUKA AG | ARRI Group |
| 11.40 | Universal Robots A/S | camLine GmbH |
| 12.05 | Fraunhofer IISB | Infineon Tech. AG |
| 12.30 | MSG Systems AG | Mr. Dinesh |
- 13.15-13.30 *Closing Speech in G117*
- 13.30 *Laboratories of Smart Factory and Robotics*
+ possibility to get into touch with the guest speakers

No Clue about Industry 4.0?

Let's discover what everyone is talking about!
Get the chance to learn about it and get in touch with experts in this field!



Conference Charta

Since "Industry 4.0" was mentioned at the Hannover Fair in 2011 for the first time, it has become one of the most discussed topics in industry and universities. This has led to various aspects and understandings of this term.

We, as a group of 12 master students in the course "Automotive Production Engineering" at the Technische Hochschule Ingolstadt, want to give you a comprehensive knowledge of what "Industry 4.0" means for the automotive sector. We would also like to discuss how other fields are similar affected by this new industrial revolution.

Therefore, we have divided the conference into 3 main sessions to provide a broad overview:

- The Internet of Things and Big Data
- Production – The Smart Factory
- Logistics and Procurement 4.0

1. Internet of Things and Big Data

Industry 4.0 has the potential to influence all walks of life ranging from a factory set-up to smart households and cities:

- What is the current status?
- Application of IoT and Big Data
- Challenges and opportunities

2. Production – The Smart Factory

In Industry 4.0 the big data aspects are used to connect man and machine virtual and physically:

- Cobots - Safety and Technology
- Predictive Maintenance
- Digital Twin

After the speeches, it is possible to visit the laboratories of robotics and smart factory in small groups.

3. Logistics and Procurement 4.0

In logistics and procurement, robots and software are more involved with humans. Through the supply chain, they form a virtual network:

- virtual Network
- Autonomous Procurement
- Fully Automated Logistics