



Stadt Fellbach



VIRTUAL DIMENSION CENTER



source: Re'flekt



Pécs Delegation Visit to Fellbach „Digitalisation & Industry 4.0“

24th-25th October 2016

● DR. KARL EISELE
● ○ & ELISABETH EISELE
● STIFTUNG

Introduction

Industrie 4.0, the so-called fourth industrial revolution, means to apply cyber-physical systems and internet-of-things methods to the industrial context. It deals both with the requirements you need to fulfill to do so and with the effects you achieve. The effects largely widen the context from purely technical and engineering issues to economic effects and new business models due to Industrie 4.0.

Industrie 4.0 uses smart factories, including smart operations, smart workers and smart products. All of them will generate massive data that need to be explored and exploited to run new data-driven services that will complement future products even more than we experience today.

Industrie 4.0 also includes the digital integration of process chains, including engineering processes.

Our 2-days-workshop will show concepts and best practices of Industrie 4.0, both in workshops and in guided visiting tours around the Fellbach region.

We are looking forward to discussing with the representatives from Pécs and Fellbach the challenges and opportunities of this mega trend.



Dr.-Ing. Christoph Runde
Director
Virtual Dimension Center

Program

Monday, 24th October 2016

- 09:00 Welcome address
Christoph Palm
- 09:30 Industry 4.0 - Status quo and future prospects in Germany
Christoph Runde
- 10:00 Digitalisation in trade & commerce
Tomáš Burda
- 10:30 Indoor navigation with iBeacons
Mirko Ross
- 11:00 3D City and Landscape Models in Germany - Status and Trends
Dr. Achim Hellmeier
- 11:30 Signing the cooperation agreement between Pécs University and Virtual Dimension Center
- 12:00 Lunch Break: Get Together and Snacks
- 12:45 Transfer to Stuttgart-Vaihingen
- 14:00 Visit of a Virtual Reality CAVE and the Stuttgart University's High Performance Computing Center (HLRS)
Dr. Uwe Wössner
- 16:00 Visit of the Manufacturing Laboratory Industry 4.0 at the Fraunhofer Institute for work science and organisation (IAO)
Marco Kayser
- 18:00 Transfer to Fellbach
- 19:30 Dinner at "Schmidener Eintracht"

Program

Tuesday, 25th October 2016

- 9:00 Meet at VDC
- 9:30 Visit to company Hafner in Fellbach:
Industrie 4.0 in measurement engineering
 - 9.30 Welcome address by Ulla Böhringer
 - 9.35 Company presentation by Tanja Reinhardt
 - 9.50 Industrie 4.0
Dr. Daniel Benz
 - 10.20 little break with brezels and coffee
 - 10.40 company round tour in groups including
a detailed machine presentation
 - 11:30 transfer to VDC
- 12:00 Lunch Break: Get Together and Snacks
- 12:45 Transfer to Weinstadt
- 13:00 Visit to company Bernd Kussmaul GmbH:
Manufacturing engineering & virtual
technologies in design
- 14:30 Visit to company KOP:
Digital construction and building
information modeling (BIM)
- 15:30 Transfer to VDC
- 16:00 Coffee Break and Get Together
- 17:30 End of Event

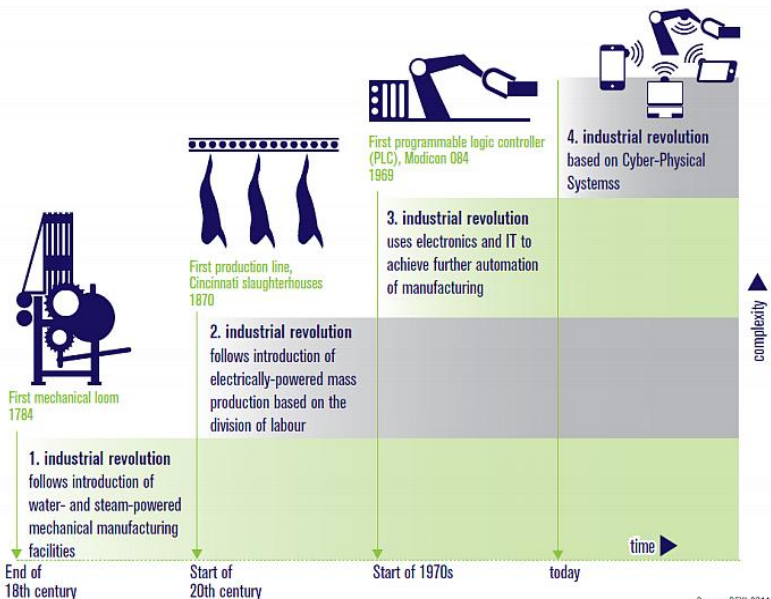
The event's scope

Topics covered

- Industry 4.0 (so-called fourth industrial revolution)
- internet of things
- manufacturing intelligence
- augmented reality
- virtual reality
- smart systems, smart glasses
- virtual planning
- virtual engineering
- building information modeling (BIM)

Goal

This event provides a good overview and a lot of detailed insights into Industry 4.0 topics. Smart systems in manufacturing environment are presented as well as virtual reality, augmented reality and high performance computing. Digitalization aspects are also demonstrated in the field of 3D city models, that already play an important role in city planning as well as serving as a basis for simulation studies, such as traffic, pollution and water floods.



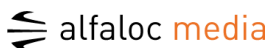
Referenten und Veranstalter

Presenters

Ulla Böhringer
Director
Philipp Hafner GmbH & Co. KG



Tomáš Burda
Leitender Berater
alfaloc media



Marco Kayser
Competence Center R&D Management
Fraunhofer IAO



Dr. Achim Hellmeier
Organizer
3D-Forum Lindau



Steffen Klingler
Director
KOP GmbH



Bernd Kußmaul
Director
Bernd Kussmaul GmbH



Christoph Palm
Mayor
City of Fellbach



Mirko Ross
Director
Digital Worx



Dr.-Ing. Christoph Runde
Director
Virtual Dimension Center Fellbach



Dr. Uwe Wössner
Head of Virtual Reality Department
High Performance Computing Center



General Remarks

Time & Venue

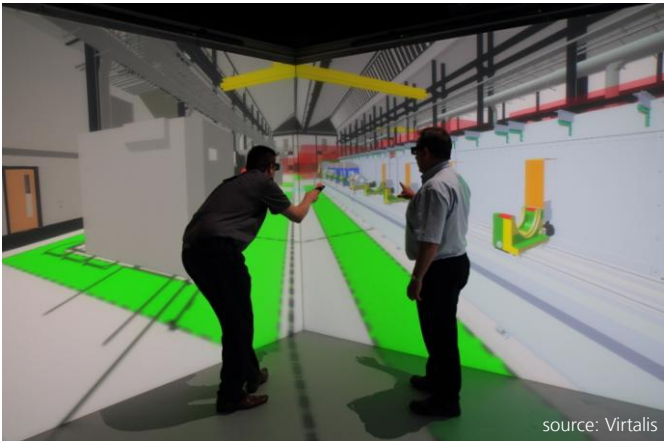
24th - 25th October 2016
Virtual Dimension Center (VDC)
Auberlenstr. 13
70736 Fellbach
<http://www.vdc-fellbach.de>

Information

Dr. Christoph Runde
VDC Fellbach
Tel.: + 49 711 585309-0

Registration

Please refer to the VDC.



With friendly support by

