

Please
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Fraunhofer IPK
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MEHR KÖNNEN

REPLY

Please fill out the form on the back and mail it to us or sent it via fax to +49 30 39006-392.

INFORMATION

Venue

Production Technology Center
Pascalstr. 8-9
10587 Berlin

Duration

two hours minimum, one day maximum

Fee

2000,- € / 8000,- € max.

The fee is calculated per seminar, not per participant. Up to 20 people can take part in one seminar.

Fee includes supporting documents, lunch and refreshments during the course of the training. The fee is due after receipt of the invoice. Cancellations must be made in writing by letter, fax or e-mail. If received earlier than four weeks before the seminar begins, cancellations are free of charge. 50 percent of the total amount are due when cancelling up to one week before the start of the seminar. After that, we will charge the full amount. Alternatively, you are free to name substitute participants from your company.

Seminar host

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MEHR KÖNNEN

EVENTS 2018

The event program »Mehr Können« of the Fraunhofer Institute for Production Systems and Design Technology IPK sets out to meet the growing need for vocational training and to promote knowledge transfer from science to industry. Our symposiums, conferences, technology days, industrial working groups, seminars and workshops provide you with implementable insights into cutting-edge technologies and processes for management, product development, production processes and the organization of modern factory operations.

Learn more – practical know-how derived from cutting-edge scientific research will help you move forward.

Our events are more than just a transfer of theoretical information. We give you the opportunity to try and test technologies and methods yourself, and we show you first-hand examples for their successful application. We set the highest standards for the quality of our contents and how we share them: Fraunhofer IPK is certified according to ISO standards 9001:2008 by DQS.

More information about our events is available at:
www.ipk.fraunhofer.de/weiterbildung

Industrie 4.0 Digitally Integrated Production

SEMINAR

Production Technology Center

Inhouse-Training



INHOUSE-TRAINING

Digitally Integrated Production

Industrie 4.0 promises mostly one thing: Great flexibility in production. In the future it will be possible to adapt production to ever-changing versions of products and processes and still keep costs stable. Ideally, developments will even allow small and smallest batch sizes to be realized without causing production costs to explode. The key to these developments is to be found in networked information and communications technologies: In the factory of the future, all entities of production – from people through workpieces to machines and tools – will be connected by modern ICT, thus being able to communicate and cooperate directly. At the same time, production-related information will be available in real-time and can be presented, viewed and exchanged anywhere within the plant as tasks and situations demand.

Such systems will allow production to be organized differently in such a way that it will break open rigid manufacturing structures. Staff at all levels of the plant – from company management through production scheduling to the shop floor – can be informed about order data and process plans in a more comprehensive and effective way than ever before and may be involved in the management of production flows with the aid of intelligent tools.

How production may be structured more flexibly on this basis, is shown in this Inhouse-Training along the process chain – from corporate-wide job management to work on individual machines. We present technologies developed and results achieved in the MetamofAB, iWePro and piCASSO projects and in IPK's preliminary research. Presentations are complemented with live demonstrations in our test field.

Industrie 4.0

PROGRAM

9.00 Reception in the IPK foyer

9.15 **Welcome and introduction to Fraunhofer IPK**

9.45 **Industrie 4.0 – an overview**

10.15 **Enabler-technologies und requirements**

11.00 Coffee break

11.20 **Application case:
Self-organized production**

12.15 **Application case:
Monitoring and smart maintenance**

13.00 Lunch break

13.30 **Industrie 4.0 – projects at Fraunhofer IPK**

14.00 **Guided tour through the test field**

- Self-organized production
- CPS and cloud-based monitoring
- Robot-assisted manufacturing
- Cooperating robots and intuitive programming

Group picture in the test field

15.00 **Migration strategies for companies**

16.00 **Discussion and knowledge sharing**

16.30 End of event

REGISTRATION

Yes, I want to register ____ participants for the Seminar »Industrie 4.0«. Duration and fees according to prior arrangement. Preferred date: _____

Surname * Name * Title

Company / Institute *

Position

Department

Street / PO Box *

Postal Code / City *

VAT ID No. (except for individuals or companies without VAT ID No.)

Booking Reference (if needed)

Billing Address (if different from above)

Billing E-mail Address (if different from below)

Phone * Fax

E-mail * * required data

Date, Signature

The number of participants is limited to 20.

I agree that my data is saved electronically by Fraunhofer IPK and printed in the seminar documents. My personal data is kept confidential and is used, in conformity with the relevant rules relating to data protection, only for the purpose of event organization by Fraunhofer IPK and to inform me about future events of the institute. I have the right to withdraw my permission to store and use my personal data and to object to the sending of any information material, at any time with immediate effect.

