

STUTTGART COMPETENCE FORUM

Intelligent Production Systems of the Future

Venue: Azenbergstraße, 70174 Stuttgart

NOVEMBER 4, 2010

Dear Ladies and Gentlemen,

Manufacturing is the backbone of many economies. In times of turbulence, global challenges and changing paradigms, from cost orientation to adding value and sustainability, the future of manufacturing depends on research. We are very pleased and proud to present the ideas of leading scientific experts worldwide, involved in research and development of factories, technologies and management. Organized to mark the occasion of the 75th Anniversary of the Institute of Industrial Manufacturing and Management (IFF), our conference „Intelligent Production Systems of the Future“, is designed to explore and present paths towards competitive and sustainable manufacturing. The efficient transformation of resources and especially of energy and material to products with the most valuable resource knowledge will change manufacturing towards “intelligent manufacturing”.



That is why we have chosen this theme as the most forward-looking in next-generation manufacturing:

- Paradigms of Future Manufacturing
- Competitive, Sustainable Development
- Visions and RoadMaps
- Lean, Clean, Green Manufacturing
- Knowledge Integration in Products and Processes
- Economic, Ecologic and Social Impact

Colleagues involved in European and global research strategies will talk about the role that manufacturing research can play. Initiatives and technologies for the production systems of the future and their impact for growth, jobs and performance are also discussed. We invite politicians, academia and industrial management to join this one-day conference.

Stuttgart, June 2010



Prof. Dr.-Ing. Prof. e.h. Dr.-Ing. e.h. Dr. h.c. mult.
Engelbert Westkämper

PROGRAM

THURSDAY, NOVEMBER 4, 2010

9.00 a.m. **Registration**



10.00 am **Greetings**

Professor Wolfram Ressel
Rector University of Stuttgart

Professor Hans-Jürgen Warnecke
Emeritus IFF, University of Stuttgart



Introduction

Professor Engelbert Westkämper
Director Institute of Industrial
Manufacturing and Management (IFF),
University of Stuttgart



10.30 a.m. **The New Industry: Shaped by
Future to Implement Future**

Professor Francesco Jovane
Chair in Integrated Production
Systems Politecnico di Milano, Italy



PROGRAM

THURSDAY, NOVEMBER 4, 2010

11.15 a.m. **Design and Modularization in Light of Selling of Services**

Professor Moshe Shpitalni
Georg Schlesinger Professor in Manufacturing Systems and Dean, Jacobs Graduate School Technion, Haifa, Israel



12.00 **Manufacturing Challenges in a Developing Economy**

Dr. Eng. Joao Oliveira
Director Instituto de Pesquisas Tecnológicas, Sao Paulo, Brazil



Lunch break 12.45 p.m.– 1.45 p.m.

1.45 p.m. **Evolution Inspired Sustainability and Variety Management in Manufacturing Systems**

Professor Hoda ElMaraghy
Canada Research Chair in Manufacturing Systems, Director of Intelligent Manufacturing Systems Center University of Windsor, Canada



2.30 p.m. **Production Systems for Regenerative Medicine Products**

Professor David Williams
Director of the Research School of Health and Life Sciences, Loughborough, Great Britain



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THURSDAY, NOVEMBER 4, 2010

3.15 p.m. **The Factories of the Future PPP Initiative: "Intelligent Manufacturing"**

Dr. Rikardo Bueno
Ph. D. Director for the Scientific Policy, FATRONIK – Tecnalía, San Sebastian, Spain



Coffee break 4.00 p.m. – 4.30 p.m.

4.30 p.m. **Product and Process Innovations for Sustainable Mobility**

Professor Heinrich Flegel
Supervisory Board, Daimler AG



5.15 p.m. **Conclusions**

Professor Engelbert Westkämper

7.00 p.m. **Party at the IFF**
Nobelstrasse 12,
Stuttgart Vaihingen

GENERAL INFORMATION

Registration

Conference Office FpF
c/o Fraunhofer IPA
Frau Karin Reinert
Nobelstrasse 12
70569 Stuttgart, Germany
Phone +49 711 970-1204 | Fax -1877
E-mail karin.reinert@ipa.fraunhofer.de

Organizer

Verein zur Förderung produktionstechnischer Forschung e.V.
(FpF), Stuttgart

Fee

Participation Fee is € 70,-
It includes admittance to all presentations, lunch, coffee break
and dinner.

Registration

Please use the attached card for registering and send it back via
post or fax. You can also register per e-mail.

karin.reinert@ipa.fraunhofer.de

Please also indicate the address for the invoice if deviating from
your own.

Closing Date is October 25, 2010.

We recommend:

Kronen Hotel (near venue)

Kronenstrasse 48, 70174 Stuttgart, Germany

Phone +49 711 2251-0

E-mail info@kronenhotel-stuttgart.de

www.kronenhotel-stuttgart.de

Hotel Azenberg (near venue)

Seestrasse 114-116, 70174 Stuttgart, Germany

Phone +49 711 225504-0

E-mail info@hotelazenberg.de

www.hotelazenberg.de

Commundo Tagungshotel Stuttgart (near Fraunhofer IPA)

Universitätsstrasse 34, 70569 Stuttgart, Germany

Phone +49 800 8330 330

E-mail info@tagungshotel.com

www.tagungshotel.com/hotel_1145454506.htm

Please ask for special rates for participants of the Stuttgart Intelligent Production Systems Competence Forum.

Stuttgart Accomodation Bureau

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www.stuttgart-tourist.de/DEU/suchen_buchen_uebernachtung.htm

Venue

University of Stuttgart,

Azenbergstrasse 12, 70174 Stuttgart, Germany

Lecture Hall Room M 12.01

