



Participant Profile

for the
Turkish-German Strategy Workshop 2006
TÜBİTAK Marmara Research Center
Gebze, Turkey
13 – 15 December 2006



International Bureau (IB)
of the Federal Ministry of
Education and Research
(BMBF)

**Expertise,
technologies and
infrastructures
available in your
institution:**

Research activities / expertise:

Production Technology, Automation

PROFILE FRAUNHOFER IPK

The Fraunhofer Institute for Production Systems and Design Technology IPK conducts applied research and development on future-oriented technologies for production processes in factories. Furthermore, its activities are extending into new areas of application in the flourishing fields of medical technology, service robotics, traffic management, globalization management, virtual product and process development, product manufacturing, process control and optimization, and safety, security and testing systems.

One of Fraunhofer IPK's primary activities is to transfer basic innovations into practical applications for industrial and public-sector customers. The Institute places particular emphasis on finding novel, cost-effective and environmentally acceptable solutions that will also benefit small and medium-sized enterprises.

The Institute's work is focused on methods and processes to improve productivity in product development and manufacture and convert these methods and processes into system solutions. This includes the conception and implementation of intelligent production tools and their integration into complex production plants.

The Institute provides and offers technical expertise in production technology and develops methods to improve quality and environmental management. The objective of these services is to provide companies with support throughout the entire production process from the very beginning of a product idea through to its development, design and manufacture, and ultimately to product recycling.

The Fraunhofer IPK has a permanent staff of roughly 250. To fulfil its research contracts, the Institute covers more than 7,100 m² with offices, laboratories and testing facilities.



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2. Past and present research collaborations

Are you familiar
with the European
Framework
Programme?

Yes

No

- with Framework Programme 5
- with Framework Programme 6
- with Framework Programme 7

EU-projects you are
involved in:
Present projects

**Programme title / contract number / title / acronym / your function
(coordinator / partner / contractor)**

Interop	Interoperability research for networked enterprises applications and software	01.11.2003	01.10.2006
Spider	Supply Information Dynamic Exchange and Control by Web-based Interaction Network	01.01.2004	01.08.2006
Athena	Advanced Technologies for Interoperability of Heterogeneous Enterprise	01.02.2004	01.01.2007
VRL-KCiP	Virtual Research Lab for a Knowledge Community in Production	01.06.2004	01.05.2008
MasMicro	Integration of Manufacturing Systems for Mass-Manufacture of Microproducts	01.07.2004	01.06.2008
Intuition	Intuition	01.07.2004	01.08.2008
Innotrax	Innovation Clusters for the Transport Industry / INNOTRAX	01.09.2004	01.09.2007
Iproms	NoE Innovative Produktion Machines and Systems (*PROMS)	01.10.2004	01.09.2009
Fideus	Freight Innovative Delivery in European Urban Space R&D	01.05.2005	01.04.2008
Arflex	Adaptive Robots for Flexible Manufacturing Systems	01.09.2005	01.08.2008
Fluid	Finance, Logistics and Production Integration Domain by Web-based Interaction Network (FLUID-WIN)	01.01.2006	01.10.2008
PISA	Flexible Assembly Systems Through Workplace-Sharing and Time sharing Human-Machine Cooperation	01.03.2006	28.02.2010

My present project

FP6: PISA (Flexible Assembly Systems Through Workplace-Sharing and Time sharing Human-Machine Cooperation) NMP-2004-3.4.3.1-2, FP6

Other international
collaborations:

Project Group Vienna, Representative Office Indonesia

Name(s) and
contact details of
potential partners:

If you would like to suggest the participation of particular partners from the partner country based on existing contacts or collaboration experience, you are welcome to indicate their names and contact details below:

- Özgür Gürgey (BGS, ogurgey@bgsis.com),
- Dr. Emre Gürgey (SEUR, guergey@senur-europe.de),
- Faruk Eczacibasi (Eczacibasi, faruk.eczacibasi@eczacibasi.com.tr),
- Doc. Dr. Cemil Arikan (cemil@sabanciuniv.edu, Sabanci University),
- Selcuk Karaata (Sabanci University, karaata@sabanciuniv.edu)



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3. Presentation at the Workshop

I will give a presentation at the workshop (approx. 10 min.) to present my institution, my expertise, and my collaboration interests. The contents of my presentations is summarised below (max. 1 page).

- R&D Areas and activities of my institution
- Expertise and activities of my division (Automation Technology)
- Collaboration Interests : Intelligent and embedded Systems as well as sensor technologies in Production systems, in Safety and Security applications, Robotics
- Main topics of present FP6 Integrated Project "PISA"

I agree with the publication of my data on the Workshop website!

PLEASE FILL IN THIS FORM UNTIL 22 SEPT. 2006 AND RETURN IT TO:

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