

NEWSLETTER



GERMAN RESEARCH CENTER FOR ARTIFICIAL INTELLIGENCE

2/2011

RESEARCH LABS

KNOWLEDGE MANAGEMENT

ROBOTICS INNOVATION CENTER

SAFE AND SECURE COGNITIVE SYSTEMS

INNOVATIVE RETAIL LABORATORY

INSTITUTE FOR INFORMATION SYSTEMS

EMBEDDED INTELLIGENCE

AGENTS AND SIMULATED REALITY

AUGMENTED VISION

LANGUAGE TECHNOLOGY

INTELLIGENT USER INTERFACES

INNOVATIVE FACTORY SYSTEMS



New DFKI Branch in Osnabrück

New Research Department „Embedded Intelligence“

RES-COM – Resource-Efficient Production for Industry 4.0



365 Selected Landmarks in the Land of Ideas

Digitally Refined – Software-Cluster Offers Innovations for Businesses



l.-r.: Prof. Lutz Heuser, Spokesman Software-Cluster; Prof. Wolfgang Wahlster; MinDir Prof. Wolf-Dieter Lukas, BMBF

In the Software-Cluster, the European Silicon Valley connecting the cities of Darmstadt, Kaiserslautern, Karlsruhe, and Saarbrücken, there exists a research and development alliance of leading companies and research facilities – including DFKI – that is building the next generation of enterprise software as an "operating system"



Software-Cluster strategy workshop, March 2011

for every company, whether a supplier or master craftsman, a small business owner or a global leader. The digital upgrade of business processes creates alternative business models and improves the economic performance of the company. That is the reason the Software-Cluster was honored in the federal government's Leading Edge Cluster competition. And that is why the Software-Cluster became a Selected Landmark in the Land of Ideas 2011.

Germany Land of Ideas



How does the Software-Cluster turn ideas into innovations that are used worldwide and in all sectors while strengthening the German software industry? That is the theme of the evening event and presentation ceremony for the Selected Landmark in the Land of Ideas 2011 award on November 14, 2011 at the Software-Cluster Coordination Office in Darmstadt.



Prof. Johannes Buchmann, member of the Software-Cluster strategy board

November 14, 2011

from 5:00 p.m.

Software-Cluster Coordination Office

Mornwegstr. 32

D-62493 Darmstadt

www.software-cluster.org



DFKI – Simply Innovation

Innovations you can touch

In the Living Labs, innovative technologies are being tested, evaluated, and demonstrated:

- ▶ Virtual Office Laboratory
- ▶ Robotics Exploration Laboratory
- ▶ Bremen Ambient Assisted Living Laboratory – BAALL
- ▶ Innovative Retail Laboratory
- ▶ SmartFactory Laboratory

Currently, DFKI has 431 main job employees and 284 secondary job employees. The circle of DFKI industrial partners comprises among others (partially through associated companies) Attensity Europe GmbH, BMW Group, Daimler AG, Deere & Company European Office, Deutsche Messe AG, Deutsche Post AG, Deutsche Telekom AG, EADS Astrium GmbH, Fraunhofer Gesellschaft e.V., Harting KGaA, Intel Corporation, KIBG GmbH, Microsoft Deutschland GmbH, Ricoh Ltd., SAP AG, Software AG, University of Kaiserslautern, Bremen University and Saarland University.



Saarbrücken Site

All work is organized in projects that have a clear objective, are scheduled to last for a specific period of time, and that lead, among other things, to patented solutions, prototypes, or new or improved product functions. At the present time, there are about 139 ongoing projects. Project progress is checked once a year by an independent, international group of respected experts. In addition to federal funds and EU grants for large, joint research projects, substantial contracts from business enterprises could also be acquired in 2010.

The successful transfer of DFKI research results to functional products is continuing. The DFKI model of a non-

profit Public-Private-Partnership (PPP) was positively received at numerous presentations and is often recommended as a role model structure. January 2010 marked the most recent review of DFKI in the 5-year evaluation circle by the Federal Ministry of Education and Research (BMBF). Also, in May 2010, the Federal Government has evaluated the DFKI-model very positively in a report to the budget committee of the German Bundestag. There is even an effort to incorporate the PPP organizational structure into the Federal Grant Handbook and the text of relevant laws.



Bremen Site

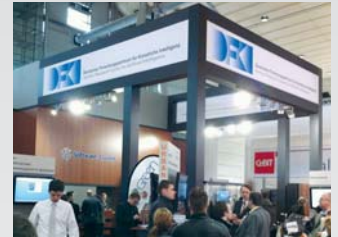
DFKI has membership rights in the Center for the Evaluation of Languages and Technologies (CELCT), based in Trento, in Yocoy Technologies GmbH (Berlin), in SemVox GmbH (Saarbrücken) and in GraphicsMedia.net GmbH (Kaiserslautern).

Intelligent Solutions

for the

Knowledge Society

- Knowledge management and document analysis
- Virtual worlds and 3D internet
- E-Learning and e-Government
- Development of provably correct software
- Innovative factory systems
- Information extraction from text documents
- Intelligent web retrieval and web services
- Multi-agent systems and agent technology
- Multimodal user interfaces and language understanding
- Visual computing
- Multimedia analysis and data mining
- Augmented vision
- Mobile robotic systems
- Shopping assistance and intelligent logistics
- Semantic product memories
- Safe and secure cognitive systems
- Semantic web and Web 3.0
- Ambient intelligence and assisted living
- Intelligent solutions for safety and security
- Driver assistance systems and Car2X communications
- Cyber-physical systems



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