

1st German-Japanese Summit on Mobile Robots & Autonomous Systems

第1回モバイル・サービスロボット日独サミット

22nd April 2008 (Tue)
10:00 a.m. – 2:30 p.m.

Hall 25
Room "Am Herbesturm"

HANNOVER MESSE 2008
Hannover, Germany



Service Robots – the future of mankind?

Talking dogs, humoids serving tea, crawling six-footed robots – the high-tech nation Japan is the world's leader in the field of the so-called "service robots". Also in Germany, research on a top level is done in this future technology. For the first time, well-known experts from the partner country Japan will meet their German colleagues at Hannover Messe to discuss current R&D trends and co-operation possibilities in this exciting research field. In the workshop session, German and Japanese experts from companies and research institutes will show how mobile robots and autonomous systems can be applied in the public and private sector.

話をする犬、お茶出しロボット、節足動物ロボット。ハイテク国の日本が世界をリードする「サービスロボット」の分野では、ドイツにおいても先端的な研究活動が進められています。

この度ハノーバーメッセでは、パートナー国となる日本とドイツのエキスパートを対象に、最新の研究・開発の動向についての情報交換や協力の可能性について協議する、第1回日独ロボットサミットを開催いたします。ワークショップの部では、日独の企業や研究所が、公共・民間分野におけるモバイルロボットやサービスロボットの導入についてご紹介いたします。

Organizer

Deutsche Messe AG

Co-organizers

- Fraunhofer Institute for Intelligent Analysis and Information Systems (IAIS)
- German Research Center for Artificial Intelligence (DFKI)
- University of Osaka
- National Institute of Advanced Industrial Science and Technology (AIST)
- Japan External Trade Organization (JETRO)
- ECOS Japan Consult

Sponsored by

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English

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Programme

Chair: Ute Schütz, Fraunhofer IAIS / Reinhard Karger, DFKI

10:00 Greeting Addresses

- Prof. Thomas Christaller, Director of Fraunhofer Institute for Intelligent Analysis and Information Systems (IAIS), Germany
- Prof. Minoru Asada, Professor Adaptive Machine Systems, Graduate School of Engineering, Osaka University, Japan and Research Director, JST ERATO Asada Synergistic Intelligence Project

10:30 Key Notes

- Prof. Frank Kirchner, Head of Robotics Research Group, German Research Center for Artificial Intelligence DFKI, Germany
"AI Methods in Mobile Autonomous Systems – Water Land and Space"
- Dr. Takanori Shibata, Senior Research Scientist, AIST Intelligent Systems Research Institute, Japan
"The Role of Service Robots in an Ageing Society"

11:30 Panel Discussion

WORKSHOP SESSION

11:50 Mobile robots for home and health care use

- Martin Hägele, Head of Robotic Systems Dept., Fraunhofer Institute for Manufacturing Engineering and Automation IPA, Germany
"The Care-o-Bot"
- Dr. Osamu Matsumoto, Senior Research Scientist, AIST Intelligent Systems Research Institute, Japan
"Intelligent Wheelchairs and light-weight Personal Vehicles"

Panel Discussion

12:40 break

13:00 Mobile robots for public use

- Prof. Arno Ruckelshausen, Faculty of Engineering and Computer Science, University of Applied Sciences Osnabrück, Germany
"Autonomous Field Robots in Agriculture"
- Dr. Hajime Aoyama, General Manager, Clean Robot Dept., Strategy Development Div., Fuji Heavy Industries Ltd., Japan
"Building Cleaning Robot System"

- Dr. Andreas Bley, Managing Director, MetraLabs GmbH, Germany
"Mobile Robots in the Retail Business"
- Justus Hortig, Business Unit Robotic Systems, Fraunhofer Institute Factory Operation and Automation IFF, Germany
"Service Robots for non-accessible areas"

14:30 End. get together



Deutsche Messe, Messeplatz 1, 30559 Hannover
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www.hannover.de



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ECOS Japan Consult
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- I will participate with ____ persons.
- I need an entrance ticket to the fair.
- I am unable to participate.

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