

SMIT2013

BADEN-BADEN
GERMANY

SEPTEMBER 05–07

CONFERENCE HOST

Department of Neurosurgery
Klinikum Karlsruhe
D-76133 Karlsruhe, Germany

Faculty of Computer Science
Karlsruhe Institute of Technology (KIT)
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REGISTRATION

www.SMIT2013.com

MANAGEMENT & SPONSORING

As an international innovation forum SMIT2013 in Baden-Baden gives enterprises a multitude of opportunities, to present their own range of services in a smart and an exclusive context.

The team of SMIT 2013 would be pleased to set up a partnership with your enterprise with regard to a successful conference in Baden-Baden, Germany, in 2013.

Please contact us:

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WWW.SMIT2013.COM

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SMIT2013

**25TH CONFERENCE OF THE SOCIETY FOR
MEDICAL INNOVATION AND TECHNOLOGY**

WWW.SMIT2013.COM



WELCOME



Uwe Spetzger

Dear Sir or Madam, dear Colleagues and Friends,

It is a great pleasure and honour for us to host the 25th International Conference of the Society for Medical Innovation and Technology (SMIT) in Baden-Baden, September 05 - 07, 2013.

According to the philosophy of our conferences we will provide a distinguished platform for the exchange of experiences and innovative ideas between basic research and technology sciences, as well as clinical sciences and high-tech industry. Up to date research results will be presented by an international forum of outstanding scientists in the field of medical technology and computer science.



Rüdiger Dillmann

This year the focus of our annual SMIT conference is neuroscience with exciting topics like functional neurosurgery and neuroendovascular treatment, as well as new trends in skull base surgery and stereotactic radiosurgery. Corresponding topics are the cutting-edge technologies in minimal invasive spine surgery with tools of biomechanical simulation and development of smart implants. According to the neuro-focus, another key aspect of this meeting will be modern ophthalmological treatment modalities.

The liaison of scientists, engineers, physicians and representatives of the industry reflects the character of these meetings and often was the starting point of many ideas and successful scientific cooperation. A so called scientific market place will be constructed in the centre of the exhibition, where you can find latest advances and new developments. Several research groups and scientific institutes have the opportunity to demonstrate their innovative projects and work in progress.

According to this, we are grateful that various scientific experts have confirmed their active participation. Just to point out one of the highlights, Wolfgang Hatz (Head of Research and Development of the Porsche AG) will provide an insight into the high-tech development of Porsche sports car in the future in his special guest lecture.

Adjacent to the main sessions there will be a session with short presentations and e-poster sessions. All accepted abstracts will be published in the Journal of Minimally Invasive Therapy & Allied Technologies (MITAT).

The program committee will award the ten best oral and poster presentations and the selected lecturers will be invited to publish their paper in the Journal of MITAT.

The 25th International Conference of the SMIT2013 will be a success because of you. Therefore, we cordially welcome your presentation and we are looking forward to see you in September 2013.



PROGRAM

MAIN TOPICS

- ▲ robotics
- ▲ computer-assisted medicine
- ▲ nanotechnology & nanomedicine
- ▲ simulation & training
- ▲ smart technologies
- ▲ future OR & logistics
- ▲ functional neurosurgery
- ▲ endoscopic surgery & NOTES technology
- ▲ modern endovascular treatment
- ▲ developments in bone substitution
- ▲ next generation technologies
- ▲ new trends in spinal surgery
- ▲ skull base surgery
- ▲ modern ophthalmology

TIMETABLE

- **WEDNESDAY, SEPTEMBER 4, 2013**
Pre-tours
Satellite symposiums
Registration
- **THURSDAY, SEPTEMBER 5, 2013**
Robotics
Computer-assisted medicine
Nanotechnology & Nanomedicine
Endoscopic surgery & NOTES technology
Modern endovascular treatment
Short presentations
E-poster session
- **FRIDAY, SEPTEMBER 6, 2013**
New trends in spinal surgery
Developments in bone substitution
Future OR & logistics
Functional neurosurgery
Smart technologies
E-poster session
Modern ophthalmology
FUSIMO – satellitemeeting
- **SATURDAY, SEPTEMBER 7, 2013**
Skull base surgery
Simulation & training
Next generation technologies
Satellite symposium
Lab-tour KIT