



CONGRESS VENUE

"Baden-Baden shows what cities of philanthropical size can contribute to the political history as well as to cultural life of a nation." (Valéry Giscard d'Estaing)

Address - Congress Venue

Kurhaus Baden-Baden
Kaiserallee 1
D- 76530 Baden-Baden

Climate

Baden-Baden has a pleasant autumn climate. The temperature in September is generally mild with highs of approximately 25°C and lows of 15°C.

Venue Baden-Baden

Connecting the past and the present, Baden-Baden is called a "paradise" with its famous and worldwide known thermal baths, green landscape and architecture of the Belle Époque.

As time goes by since the foundation in 80 AD by the Romans, Baden-Baden became more and more a German attraction to many of the classical composers, writers and politicians. Named "Summer Capital of Europe" in the 19th century this health resort both has been and still is a centre of communication for an international clientele and its different interests. For this reason Baden-Baden



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is the perfect setting for congresses and meetings as for instance the NATO summit in 2009 has been.

With nowadays around 53.300 inhabitants the town lies in the south-west of Germany nearby the Black Forest. Apart from wellness

Baden-Baden offers a lot of cultural highlights and activities in social life. So museums like "Frieder Burda" or "Staatliche Kunsthalle" (State Art Gallery), the "Festpielhaus" (Festival Theatre) or the Roman Bath Ruins are just the beginning of an exciting sightseeing.



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Conference Host

Department of Neurosurgery
Klinikum Karlsruhe
D-76133 Karlsruhe, Germany

Faculty of Computer Science
Karlsruhe Institute of Technology (KIT)
D-76131 Karlsruhe, Germany

Chairpersons

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Karlsruhe Institute of Technology (KIT)

Registration - Person responsible and management
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A circular logo with a stylized orange and white design, resembling a globe or a stylized 'S'.

LOCAL SCIENTIFIC COMMITTEE

The members of the Local Scientific Committee:

- Albert Augustin, Ophthalmology, Klinikum, Karlsruhe
- Georg Bretthauer, Applied Computer Science, KIT, Karlsruhe
- Markus Büchler, General Surgery, University Heidelberg
- Olaf Dössel, Biomedical Engineering, KIT, Karlsruhe
- Georg Kähler, Interdisciplinary endoscopy, University Mannheim
- Jörg Schipper, ENT, University Duesseldorf
- Kirsten Schmieder, Neurosurgery, University Bochum
- Michael Schön, General Surgery, Klinikum, Karlsruhe
- Heinz Wörn, Process Control and Robotics, KIT, Karlsruhe

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ORGANIZING COMMITTEE

The members of the Organizing Committee:

-  **Uwe Spetzger**
SMIT 2013 President and Conference Chair
Medical Director, Department of Neurosurgery, Klinikum
Karlsruhe, Germany
-  **Rüdiger Dillmann**
SMIT 2013 Conference Co-Chair
Anthropomatics and Robotics, Faculty of Computer Science,
Karlsruhe Institute of Technology (KIT), Germany

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Registrations are open.

Where are you based? Germany			
Category	Number	Price	Amount
SMIT Member <i>Early bird</i>	0	€ 400.00	€ 0.00
Non Member <i>Early bird</i>	0	€ 500.00	€ 0.00
Assistant <i>Early bird</i>	0	€ 200.00	€ 0.00
Day ticket <i>Early bird</i>	0	€ 150.00	€ 0.00
From a sponsoring company <i>Early bird</i>	0	€ 500.00	€ 0.00
From a non sponsoring company	0	€ 800.00	€ 0.00

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Early bird			
Accompanying person Early bird	0	€ 200.00	€ 0.00
Satellite Symposium I Early bird	0	€ 60.00	€ 0.00
Satellite Symposium II Early bird	0	€ 60.00	€ 0.00
Satellite Symposium I + II Early bird	0	€ 100.00	€ 0.00
SMIT Member Regular rate	Not yet available	€ 450.00	€ 0.00
Non Member Regular rate	Not yet available	€ 600.00	€ 0.00
Assistant Regular rate	Not yet available	€ 250.00	€ 0.00
Day ticket Regular rate	Not yet available	€ 180.00	€ 0.00
From a sponsoring company Regular rate	Not yet available	€ 600.00	€ 0.00
From a non sponsoring company Regular rate	Not yet available	€ 900.00	€ 0.00
Accompanying person Regular rate	Not yet available	€ 250.00	€ 0.00
Satellite Symposium I Regular rate	Not yet available	€ 60.00	€ 0.00
Satellite Symposium II Regular rate	Not yet available	€ 60.00	€ 0.00
Satellite Symposium I + II Regular rate	Not yet available	€ 100.00	€ 0.00
Ticket price (incl. VAT) € 0.00			



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Person responsible and management

Martina K. Scheurer (attorney)
Auf dem Guggelensberg 27, D-76227 Karlsruhe, Germany

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REGISTRATION FEES

The following index gives informations about the registration fees:

Payment received	prior to June 30, 2013	from July - Sept 1, 2013	on-site registration
Academic participants			
SMIT Member	Euro 400	Euro 450	Euro 500
Non Member	Euro 500	Euro 600	Euro 700
Assistant	Euro 200	Euro 250	Euro 300
Day ticket	Euro 150	Euro 180	Euro 200
Participants from industry			

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From a sponsoring company	Euro 500	Euro 600	Euro 700
From a non sponsoring company	Euro 800	Euro 900	Euro 1000
Accompanying Person**	Euro 200	Euro 250	Euro 350
Satellite symposiums			
satellite symposium I	Euro 60	Euro 60	Euro 60
satellite symposium II	Euro 60	Euro 60	Euro 60
satellite symposium I + II	Euro 100	Euro 100	Euro 100

Fee for participants/students includes: conference kit, program and CD of abstracts, admittance to scientific sessions, get-together reception, Black Forest Night, 3 lunches and coffee/refreshments at breaks.

**** Fee for accompanying person includes:** get-together reception, Black Forest Night and participation in one organized tour to be arranged on one day during session times.

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SIGHTS & EVENTS

Your cultural interests in arts as well as in history will totally be pleased by the museums, sights and events of Baden-Baden.

You can gaze at the internationally-renowned art collection of Frieder Burda, have a look at the astonishing Roman Bath Ruins or take one by yourself at the thermal baths. One thing is certain: Great attractions are awaiting you.

Museum Frieder Burda

Surrounded by nature on the Lichtental Avenue, the modern and harmonious building designed by the famous New York architect Richard Meier, saves around 850 paintings, sculptures, objects and works on paper. The art collection has its focus on Classical Modern Art, German Expressionism and American Abstract Expressionism. Among these styles of art, masterpieces of German artists like Max Beckmann, Ernst Ludwig Kirchner, Wilhelm Lehmbruck and August Macke, works of Jackson Pollock and Mark Rothko, of German post war artists like Georg Baselitz, Sigmar Polke and Gerhard Richter as well as a high amount of Picassos late work are to be found in this museum. Moreover you can always expect an interesting exhibition. To have a look at the current exhibition please click [here](#).

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Staatliche Kunsthalle (State Art Gallery)

The Staatliche Kunsthalle opened to the public in 1909 and belongs to one of the oldest cultural institutions in this place and region. To its new neighbour on the Lichtental Avenue, the Frieder Burda Museum, the Staatliche Kunsthalle is connected by a vitreous bridge since 2004. Between modern, contemporary and international art you can spend an inspiring afternoon in here. Notice the visiting art exhibitions coming from all over the world on the [museums' website](#).

Baden-Baden Museum

From the Roman beginnings up to the present you get to know the history of Baden-Baden in the local town museum. It has a special collection of historical toys, coins and medals and is presenting large stone monuments, sculptures and other works of art from the Romans until the modern times inside of an impressive glass pavilion. Discover the incredible facts of Baden-Baden.

Roman Bath Ruins

Underneath the busy and animated area of Baden-Baden, the market place/Römerplatz, lies the access to the ruins of an old and different time. Experience very close the 2000 years old [Roman Bath Ruins](#), which once were made for emperors and soldiers. They are the best kept bath ruins within Germany and are amazing for understanding this ancient bath culture and its impact on Baden-Baden.

Theater Baden-Baden

The magnificent building of the [Theater Baden-Baden](#) modelled on the opera of Paris unites the old and imposing atmosphere with modern technology. The varied repertoire played by a wonderful ensemble is nearly for everyone attractive. There are popular and classical plays extending to unknown but remarkable ones. Good stories, which are touching and stimulating thoughts, turn your evening at the theatre to a special event.



Festspielhaus Baden-Baden (Festival Theatre Baden-Baden)

In the 90s architect Wilhelm Holzbauer from Vienna designed the [Festspielhaus Baden-Baden](#) on the former central station. With 2.500 seats it belongs to one of Europe's largest stages for classical music. The productions of opera and ballet are spectacular and overwhelming. It is about passion and great emotions. For artists as well as for visitors the Festspielhaus wants to be a second home.



Thermal Baths

In a town being once a world-renowned spa you can not miss the healthy thermal baths. Relaxation for body and soul, being pleased and enjoying the day was not just good for Romans. It is wonderful for everyone. In downtown Römerplatz, nearby the Roman Bath Ruins, is where the [Caracalla Spa](#) can be found. On more than 3000 square feet it offers pure wellness. At a temperature of 68°C

the thermal water rises and bubbles from 12 natural springs to the bathing area reminding of an ancient temple. From hot and cold grotto, massaging water to the sauna complex, there is a huge variety of comfort.

Fantastic atmosphere is also guaranteed at the [Friedrichsbad](#), at the foot of the Altstadt. Explore the 134 years old bath tradition in a special 17 step ritual. That is the perfect way to strengthen immune system and raise well-being.



Interesting Places and Surroundings

Taking a walk through Baden-Baden and its surroundings there are some beautiful places and fascinating buildings awaiting you. Once the home of the margraves family of Baden-Baden the Old and the New Castle placed on hills provide a journey to the past and a great view over the town. The Kurhaus is known for its famous events and congresses, like the Olympic congress in 1981 or the NATO summit in 2009. With its park, architecture and banquet rooms it is truly a place for special occasions. Another imposing building next to the Kurhaus is the one of the Trinkhalle, designed by Heinrich Hübsch. Inside the thermal water of the Friedrichsquelle could be drunk whereas on the outside you can admire the open atrium with the 16 Corinthian columns and 14 murals of regional legends and myths on the foyer. The late gothic church Stiftskirche serves as the sepulchre of 14 margraves and is concerning its interior and its façade really worth taking all the steps up to the market place.

The Lichtental Avenue is a 2300 metres long promenade on which

you can comfortably stroll along mature trees and pretty bridges and also get to see many of the cultural institutions like the museums. Sweet scents of roses will be tempting you on the way, while you pass the Gönneranlage, a garden with over 400 types of different roses. Upstream the little river Oos the Avenue guides you to the district Lichtental with its medieval Cistercian abbey.

An absolutely splendid view over Baden-Baden and the surrounding area can be gained on the 2,191 foot high Merkur Mountain. For reaching the look-out you can choose between different foot paths or the funicular railway. Let your gaze wander on the vineyard landscape up to Iffezheim or even Straßbourg in France on sunny days. A trip to Iffezheim is recommendable too, if you are interested in horse-racing. At the start of september the international racecourse has its Grand Festival Week.



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SOCIAL EVENTS

Enjoy entertainment and meet new colleagues at the social events.

Wednesday, September 4, 2013 - Get-together and Welcome Reception

The "Welcome Reception" to renew acquaintances and meet new colleagues will take place at the Kulturhaus LA8 in Baden-Baden. A finger food buffet will be served at the Kristallsaal with subsequent clubbing at the intimate TwentyOne club in the basement. All registered participants and registered accompanying persons are cordially invited to attend.

Thursday, September 5, 2013 - Black Forest Night

The "Black Forest Night" will take place at the Mummelsee. A cirque lake in the Black Forest at 1032 meter above sea level, and remaining from the ice age. Lake Mummelsee is an extremely popular destination for tourists deep in the Black Forest. This mystic location is surrounded by primeval vegetation and Lake Mummelsee is part of many fairy tales and legends featuring water nymphs and an underwater king. We will have an informal evening at the lake-side with local food and drinks from Black Forest region. Transportation will be arranged by buses and all fully registered participants and registered accompanying persons are

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invited to attend this event.

Friday, September 6, 2013 - Gala Dinner

The "Gala Dinner" will take place at the Kurhaus Baden-Baden. Don't miss this exiting evening in the historic and world famous Casino Baden-Baden. It will be an unforgettable experience of exquisite dining in an outstanding ambience with the opportunity of gambling and probably hitting the jackpot. Please register early for the Gala Dinner due to the limited capacity.

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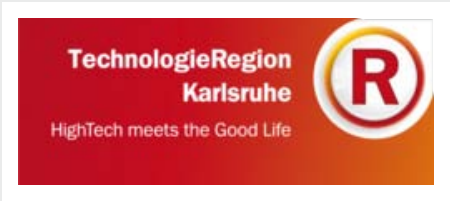
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TENTATIVE TIMETABLE

Tentative Timetable SMIT2013, September 4 - 7, 2013:

Wednesday, September 4, 2013

- ☐ All day: Arrivals
- ☐ Afternoon: Registration
- ☐ Evening: Get-together Reception

Thursday, September 5, 2013

- ☐ All day: Parallel sessions
- ☐ Evening: Black Forest Night

Friday, September 6, 2013

- ☐ All day: Parallel sessions
- ☐ At 6 p.m.: Satellite symposium I
- ☐ Evening: Gala-Dinner

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Saturday, September 7, 2013

- ☐ Morning: Parallel sessions
- ☐ At 10 a.m.: Satellite symposium II
- ☐ Afternoon: Closing, Departures or optional Tours

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TOPICS

The following topics will be addressed at the conference:

- ☐ 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

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- ☐ skull base surgery
- ☐ modern ophthalmology

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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, Germany, September 5 - 7, 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, endoscopic and minimal-invasive surgery, interventional radiology, computer-assisted and image-guided therapy and further innovative topics.

Live surgery sessions will offer the audience to see the application and the reality of recent developments, modern equipment and cutting-edge techniques in the field of various surgical procedures. Moreover, a guided tour through the Institute of Anthropomatics, Humanoids and Intelligence Systems Lab at the Karlsruhe Institute of Technology (KIT) is planned and a visit of the experimental OR. The visitors will see the operation of humanoid robots and gain insight into actual research topics to depict the symbiosis between humans and machines and the development of new methodologies and technologies of artificial systems with cognitive capabilities and natural interaction modalities.

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The region of Baden (the translation of Baden is - to bath) is one of the warmest and most beautiful regions in Germany. Therefore, it will be easy to combine well-being and science with a comfortable get-together between engineers, physicists, computer scientists and medical doctors. This multidisciplinary spirit creates an environment and a novel target to solve actual problems to be overcome in our routine work.

Subsequently, you will also be convinced that Baden-Baden is so nice, that you have to name it twice. We are looking forward to welcome you in Baden-Baden and Karlsruhe for the International Conference SMIT2013.



Prof. Dr. Uwe Spetzger
Department of Neurosurgery Klinikum
Karlsruhe



Prof. Dr.-Ing. Rüdiger Dillmann
Faculty of Computer Science Karlsruhe
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