

IRMMW-THz 2013

The 38th International Conference on Infrared, Millimeter and Terahertz Waves

Mainz on the Rhine, Germany

September 1st – 6th, 2013

irmmw-thz2013.com



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Mainz



Time to drive from

Frankfurt/Main

Int. Airport: 15 min

Major European Airports
to FRA 2...3 h



Train distance

Frankfurt/Main: 20 min

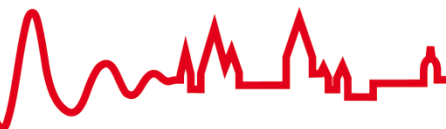
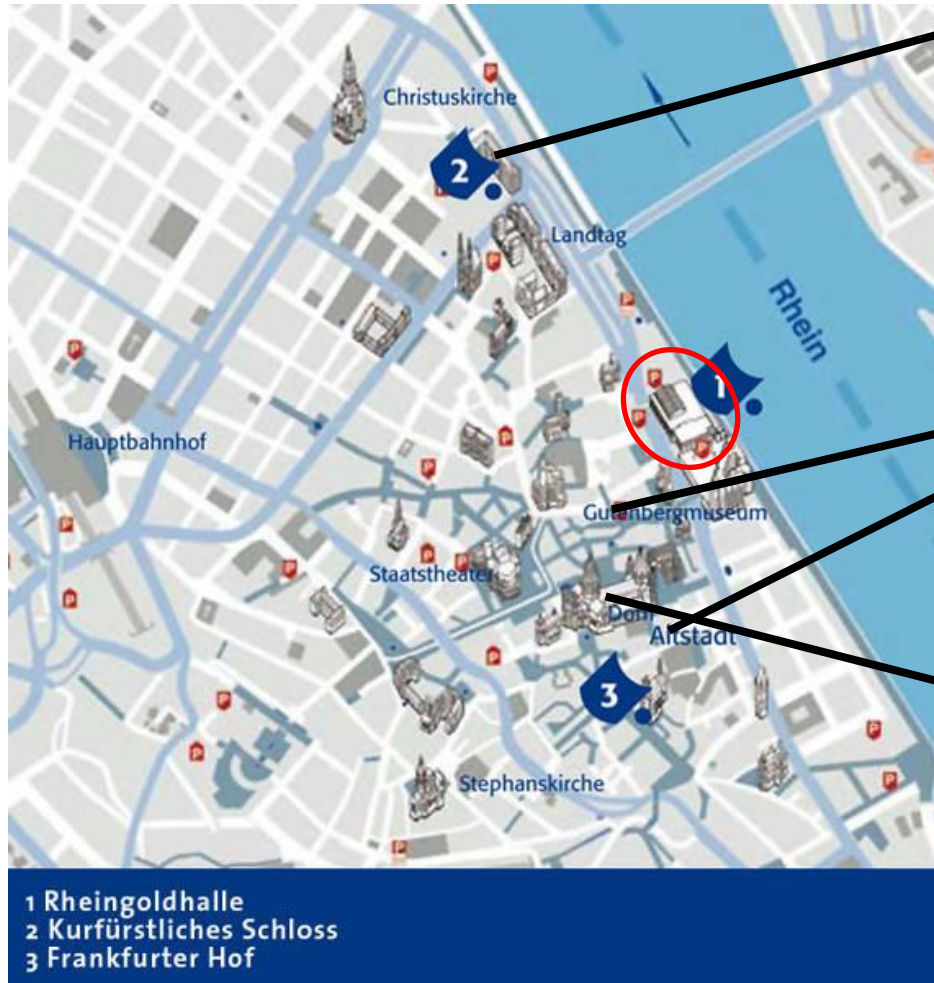
Paris: 3.5 h

Amsterdam: 4.5 h



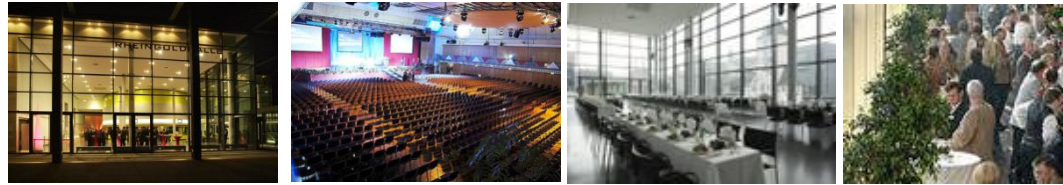
Kaiserslautern

Map of Mainz



Location

Rheingold Hall Mainz

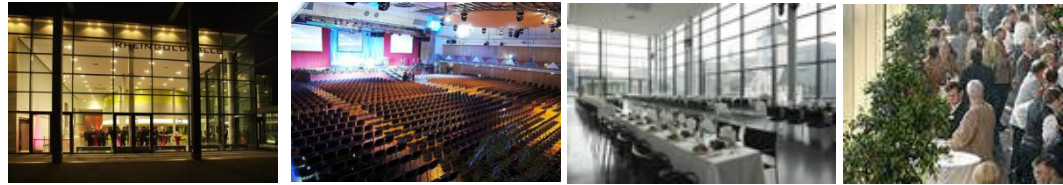


- located in the city center at the Rhine
- spacious and light- flooded
- versatile concept for events of any kind
(2 large, 5 small conference rooms)
- seats up to 4000 people
- professional organization team
- conference hotel on site
(150 guest rooms)
- banquet facilities

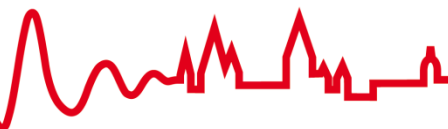
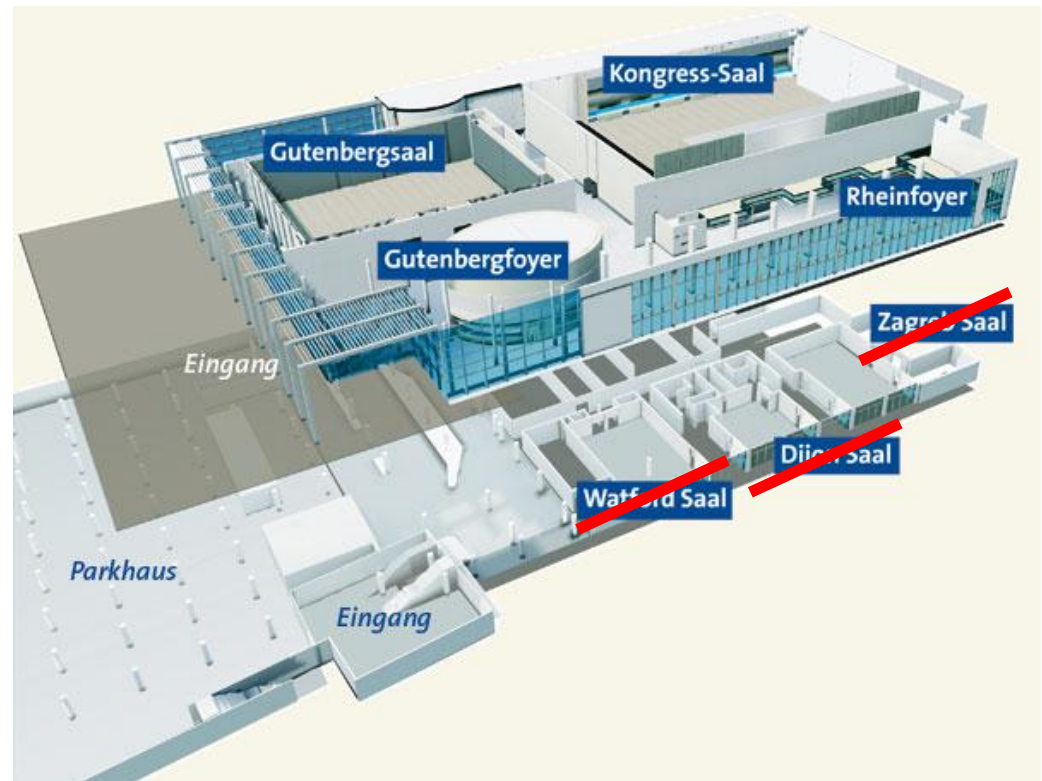


Location

Rheingold Hall Mainz

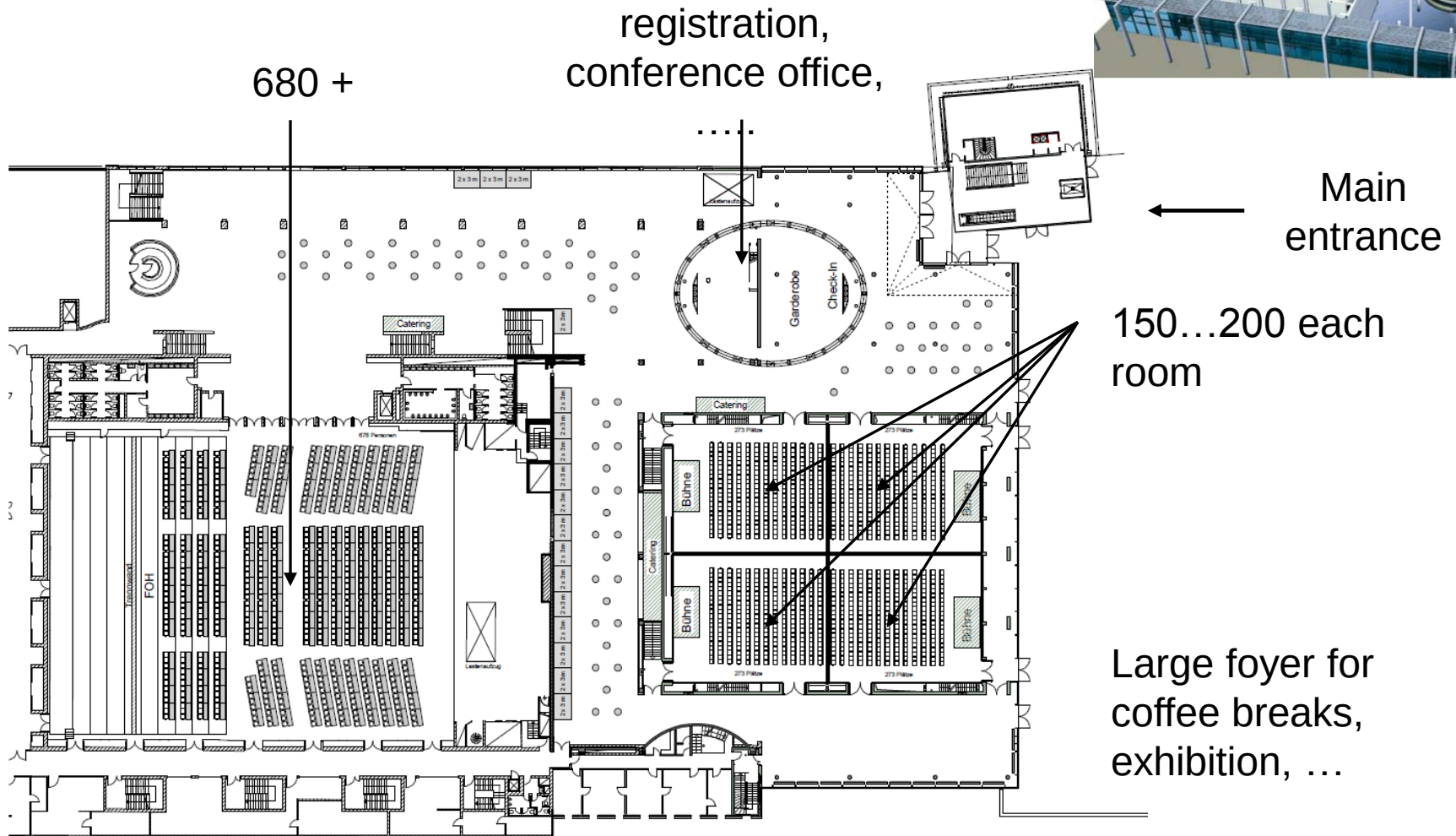
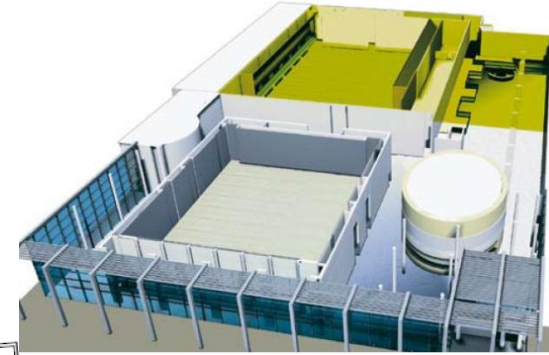


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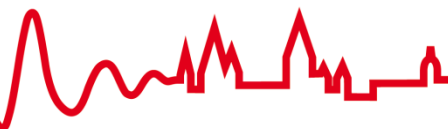
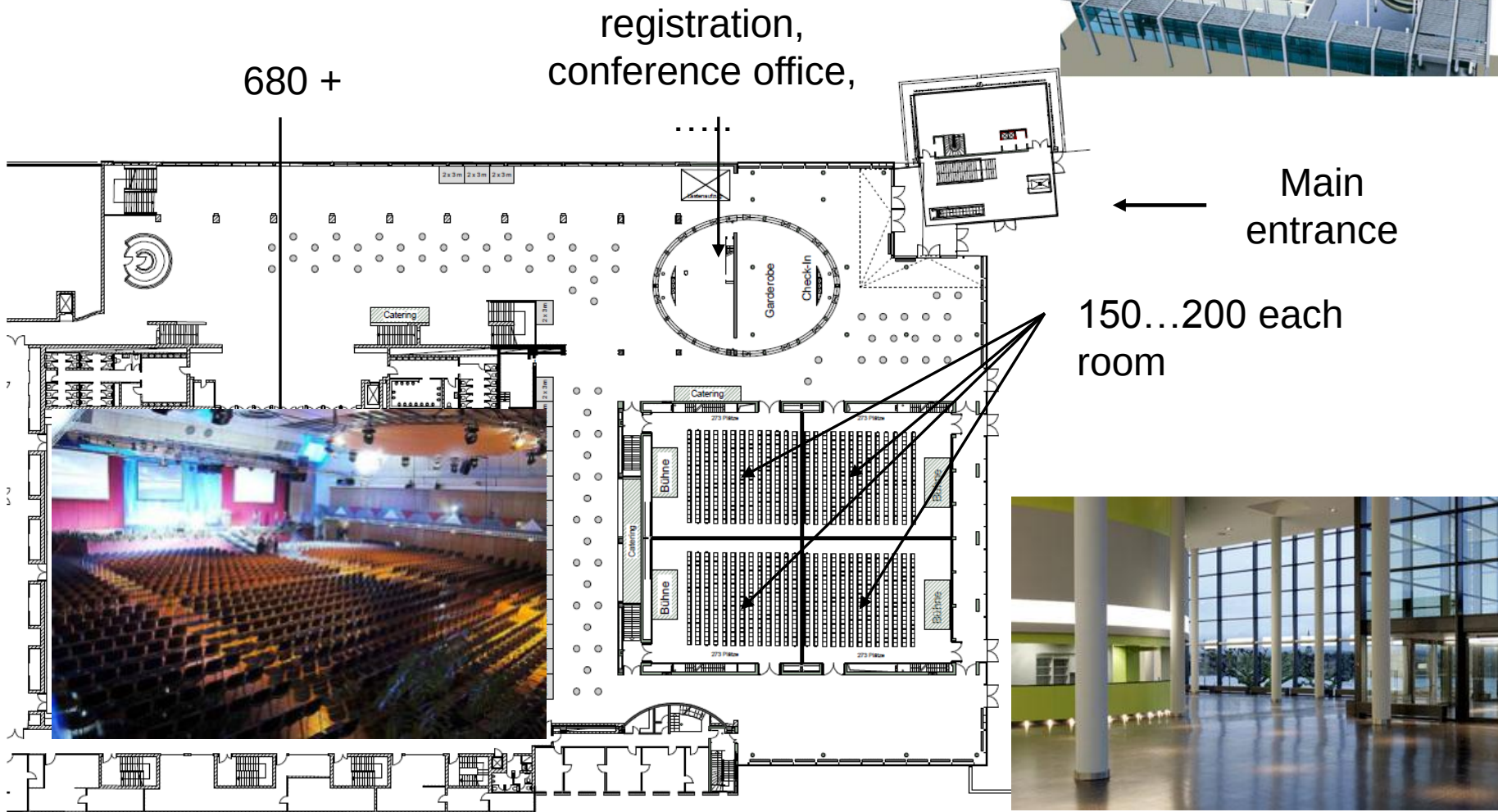
Rheingold Hall Mainz

Floorplan



Rheingold Hall Mainz

Floorplan



Scientific Program

Time schedule



Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
08:00 - 08:30						
08:30 - 09:00		Opening and Plenary 1,2	Plenary 3,4	Plenary 5,6	Plenary 7,8	Plenary 9,10
09:00 - 09:30						
09:30 - 10:00		Coffee	Coffee	Coffee	Coffee	Coffee
10:00 - 10:30						
10:30 - 11:00		Session 1 -4	Session 15 -18	Session 29 - 32	Session 43 - 46	Session 55 - 58 Closing
11:00 - 11:30						
11:30 - 12:00		Lunch	Lunch	Lunch	Lunch	Lunch
12:00 - 12:30						
12:30 - 13:00		Session 5 -9	Session 19 - 23	Session 33 - 37	Session 47 - 50	
13:00 - 13:30						
13:30 - 14:00		Coffee	Coffee	Coffee	Coffee	
14:00 - 14:30		Welcome Reception	Session 10 - 14	Session 24 - 28	Session 38 - 42	Session 51 - 54
14:30 - 15:00			Poster 1	Poster 2		Poster 3
15:00 - 15:30						
15:30 - 16:00						
16:00 - 16:30						
16:30 - 17:00				Excursion	Conference Dinner	
17:00 - 17:30						
17:30 - 18:00						
18:00 - 18:30						
18:30 - 19:00						
19:00 - 19:30						
19:30 - 20:00						
20:00 - 20:30						
20:30 - 21:00						
21:00 - 21:30						
21:30 - 22:00						
22:00 - 22:30						

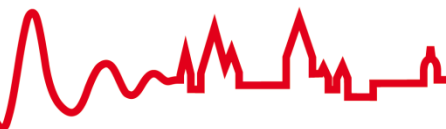
10 Plenaries

4 parallel sessions (Mo – Fr) with 5 presentations (1x invited, 4x contributed)

5 parallel sessions (Mo, Tue, Wed) with 5 presentations (1x invited, 4x contributed), 4 parallel session (Th) with 5 presentations (1x invited, 4x contributed)
= 58 invited, 232 contributed, Total of 290 orals

3 poster sessions with approximately 60 posters

= 180 Poster



Social Program

Zum Wohl. Die Pfalz.



■ Welcome reception

■ Conference dinner



■ Excursion



Social Program

Excursion to Cloister Eberbach

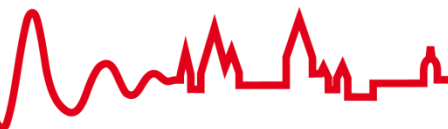
Zum Wohl. Die Pfalz.



■ Guided tour

■ Umberto Eco: “The Name of the Rose”

■ Wine tasting



Social Program

Country Sides & Sight Seeing

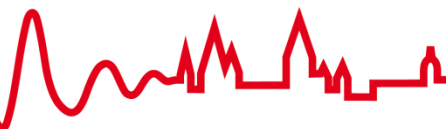


- Upper middle Rhine valley:
world cultural heritage site since 2002

- Loreley
- Rüdesheim
- Romantic castles



- Heidelberg
- Trier
- Speyer
- German wine street



IRMMW-THz 2013

People



■ Conference Chair

René Beigang

University of Kaiserslautern and Fraunhofer IPM

■ Local organizing committee

Marco Rahm, University of Kaiserslautern

Sebastian Bachtler, University of Kaiserslautern

Daniel Molter, University of Kaiserslautern

Ute Rein-Rech, University of Kaiserslautern

Joachim Jonuscheit, Fraunhofer IPM

■ Program advisory committee

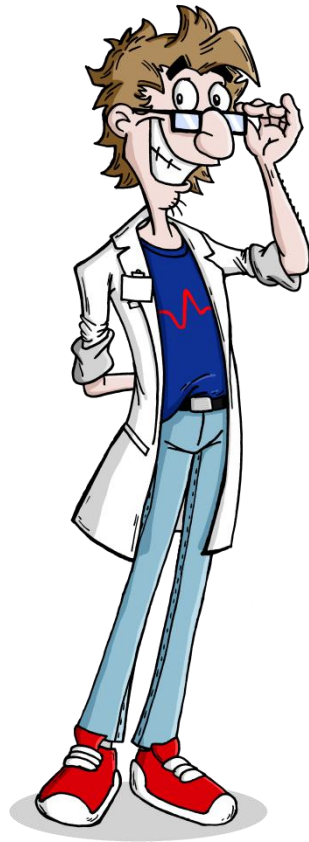
M. Koch (program chair)

international members

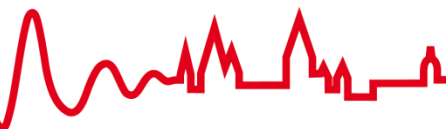


IRMMW-THz 2013

Program advisory committee



Name	Institution
Martin Koch	Philipps-Universität Marburg, Germany
Jean-Louis Coutat	University of Chambéry, France
Stefano Barbieri	University Paris VI - CNRS, France
Gian-Piero Gallerano	Italian National Agency for New Technologies, Italy
Ronald Holzwarth	Menlo Systems GmbH, Germany
Heinz-Wilhelm Hübers	DLR, Germany
Peter Jepsen	Technical University of Denmark, Denmark
Kodo Kawase	Nagoya University, Japan
Thomas Kleine-Ostmann	PTB, Braunschweig, Germany
Jean Leotin	Université Paul Sabatier, France
Nuria Llombart	Universidad Complutense de Madrid, Spain
Olli Luukkonen	Nokia Research Center, Finland
Daniel Mittleman	Rice University Houston
Gun-Sik Park	Seoul National University, Republic of Korea
Hartmut Roskos	Goethe University Frankfurt, Germany
Charles Schuttenmaer	Yale University, USA
Jan Stake	Chalmers University of Technology, Sweden
Koichiro Tanaka	Kyoto University, Japan
Manfred Thumm	Karlsruhe Institute of Technology, Germany
Alessandro Tredicucci	NEST, CNR-NANO, Italy

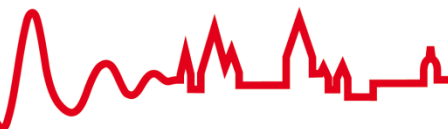


IRMMW-THz 2013

Budget



- Budget based on 550 participants (break even)
- Conference fee regular 520/620 €
students 400/450 €
- Social events welcome reception
excursion to Cloister Eberbach
conference banquet
- Catering coffee breaks
bevarages at poster session
- Exhibitors > 20
- Sponsors diamond, gold and silver/coffee breaks, ...



IRMMW-THz 2013

Sponsors

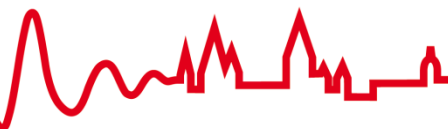


■ as of September 25

German Science Foundation,
Rhineland Palatinate,
University of Kaiserslautern,
Department of Physics,
Research Center OPTIMAS,
Xiton Photonics,
Hübner GmbH
Fraunhofer Innovation Center

■ additional sponsors

THz companies (Menlo Systems,
Toptica Photonics, ...)
laser companies (Coherent Radiation, Spectra
Physics, Lumera Lasers, DILAS, ...), ...
mm and microwave companies (Virginia Diodes,
Synview)...

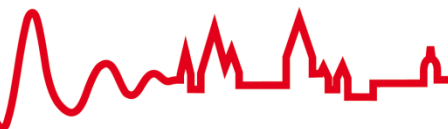


IRMMW-THz 2013

Actual status



- Conference Center booked,
including complete technical equipment and staff
- PCO for registration, hotels, social events and handling of all
financial transaction
- ShockLogic abstract submission, referee system, conference
book, ...
- PR first flyer, call for papers with key dates, homepage
- Committees LOC
program advisory committee (chair Martin Koch)





About the conference

The International Conference on Infrared, Millimeter and Terahertz Waves (IRMMW-THz) is the oldest and largest continuous forum devoted to the science and technology of long-wavelength radiation. The scope of the conference includes all scientific and technological activities which involve the long-wavelength region of the electromagnetic spectrum. This covers a very wide range of disciplines, encompassing everything from micro- and nano-scale structures to large-scale accelerators and tokamaks and their applications. Presentations at this conference may address issues ranging from basic physics, chemistry and materials science to applications in energy, communications, imaging and more.

View across the Rhine to the Congress Centre and the cathedral of Mainz

People

Chair: René Beigang

LOC: Marco Rahm, Ute Rein-Rech, Sebastian Bachtler, Joachim Jonuscheit, Daniel Molter

Program committee: Martin Koch, Jean-Louis Coutaz, Stefano Barbieri, Gian-Pierro Gallerano, Ronald Holzwarth, Heinz-Wilhelm Hübers, Peter Jepsen, Kodo Kawase, Thomas Kleine-Ostmann, Jean Léotin, Nuria Llombart, Olli Luukkonen, Andrea Markelz, Gun-Sik Park, Hartmut Roskos, Wolfgang Schade, Charles Schmuttenmaer, Jan Stake, Koichiro Tanaka, Manfred Thumm, Alessandro Tredicucci

(subject to change)



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Hosted by:  **Fraunhofer**   **UNIVERSITÄT KASSEL**   **OPHANT** Technical Co-Sponsor:  **IEEE**

IRMMW-THz 2013

The 38th International Conference on Infrared, Millimeter and Terahertz Waves

Key Dates

Abstracts due: April 1st, 2013

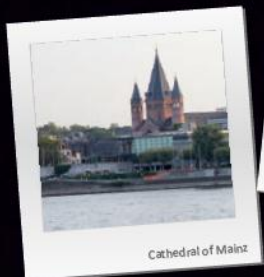
Notification of acceptance: May 10th, 2013

Final papers due: June 21st, 2013

Early registration deadline: June 30th, 2013

Conference: September 1st - 6th, 2013

irmmw-thz2013.org



Cathedral of Mainz



Cathedral of Mainz and Congress Centre



Congress Centre (Reingoldhalle)



Historic city of Mainz



Mainz on the Rhine

Mainz was founded in 13 BC and is now the capital of Rhineland-Palatinate. Its population is around 200 000 and it is easily accessible from the Rhine-Main International Airport in Frankfurt. Land capital Mainz is located directly on the Rhine, the gateway to the Middle Rhine Valley and two of Germany's most renowned wine regions, the Rheingau and Rhine-Hesse. You will enjoy Mainz!

Topics

IR, MMW, and THz applications in biology and medicine
IR, MMW, and THz applications in astronomy, atmospheric and environmental science
IR, MMW, and THz applications in security and defense
IR, MMW, and THz applications in industry
IR, MMW, and THz spectroscopy
Ultrafast and nonlinear measurements
Transmission lines, wave guides and antennas
Gyro-oscillators and amplifiers, plasma diagnostics
Free electron lasers and synchrotron radiation
Modelling and analysis techniques
Novel sources and systems
Novel components
Quantum cascade lasers
Future applications, markets and directions
THz metamaterials: fundamentals and applications



Congress Centre (Reingoldhalle)

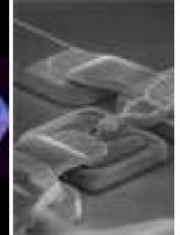
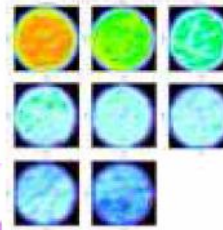


IRMMW

Conferences 2011 - 2013

IRMMW-THz

International Society of Infrared, Millimeter, and Terahertz Waves



**IRMMW-THz 2011**
36th International Conference on Infrared, Millimeter, and Terahertz Waves

Houston, Texas, USA
Hyatt Regency Houston
October 2-7, 2011

Abstract submission deadline April 29, 2011
Notification of acceptance June 3, 2011
Final papers due July 6, 2011
Early registration deadline July 29, 2011
www.irmmw-thz2011.org

HOSTED BY  **RICE**

TECHNICAL CO-SPONSORSHIPS  **IEEE**
IEEE Microwave Theory and Techniques Society
International Society of Infrared, Millimeter, and Terahertz Waves

IRMMW-THz 2012
The 37th International Conference on Infrared, Millimeter and Terahertz Waves

Key Dates
Abstracts Due: 12 April 2012
Notification of Acceptance: 31 May 2012
Final Papers Due: 5 July 2012

Wollongong, Australia
23-28 September 2012

www.irmmw-thz2012.org

HOSTED BY  **University of Wollongong**

TECHNICAL CO-SPONSORS  **IEEE**
IEEE Microwave Theory and Techniques Society
International Society of Infrared, Millimeter and Terahertz Waves

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Hosted by:  **Fraunhofer**  **University of Applied Sciences**  **Logo of the German Microwave Association** Technical Co-Sponsor:  **IEEE**