



IRMMW-THz 2013

Mainz on the Rhine

September 1 – 6, 2013



René Beigang

University of Kaiserslautern
Department of
Ultrafast Photonics and THz Physics

Fraunhofer IPM
Department of
THz Measurements and Systems

Mainz



Time to drive from

Frankfurt/Main

Int. Airport: 15 min

Major European Airports
to FRA 2...3 h

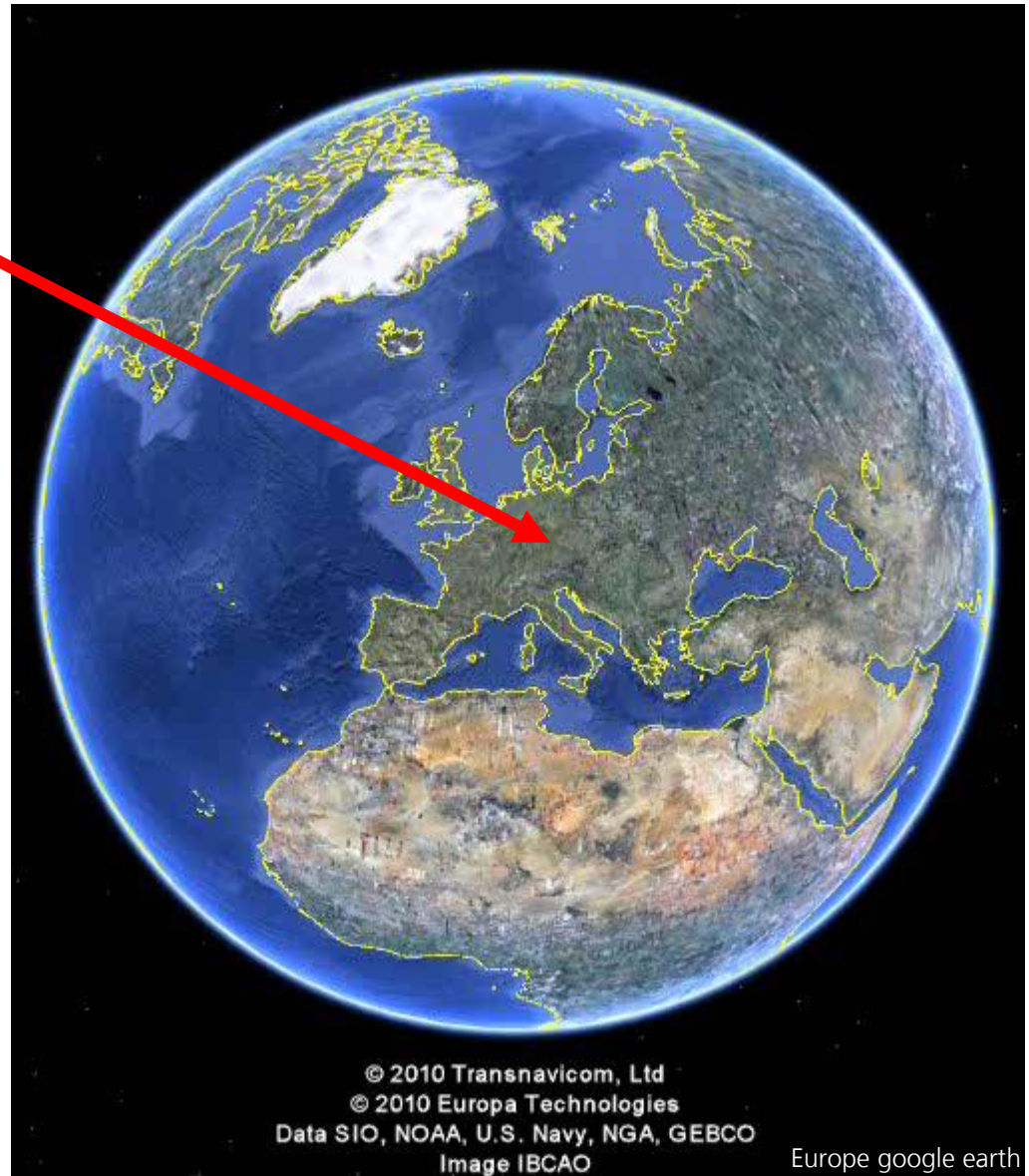


Train distance

Frankfurt/Main: 20 min

Paris: 3.5 h

Amsterdam: 4.5 h

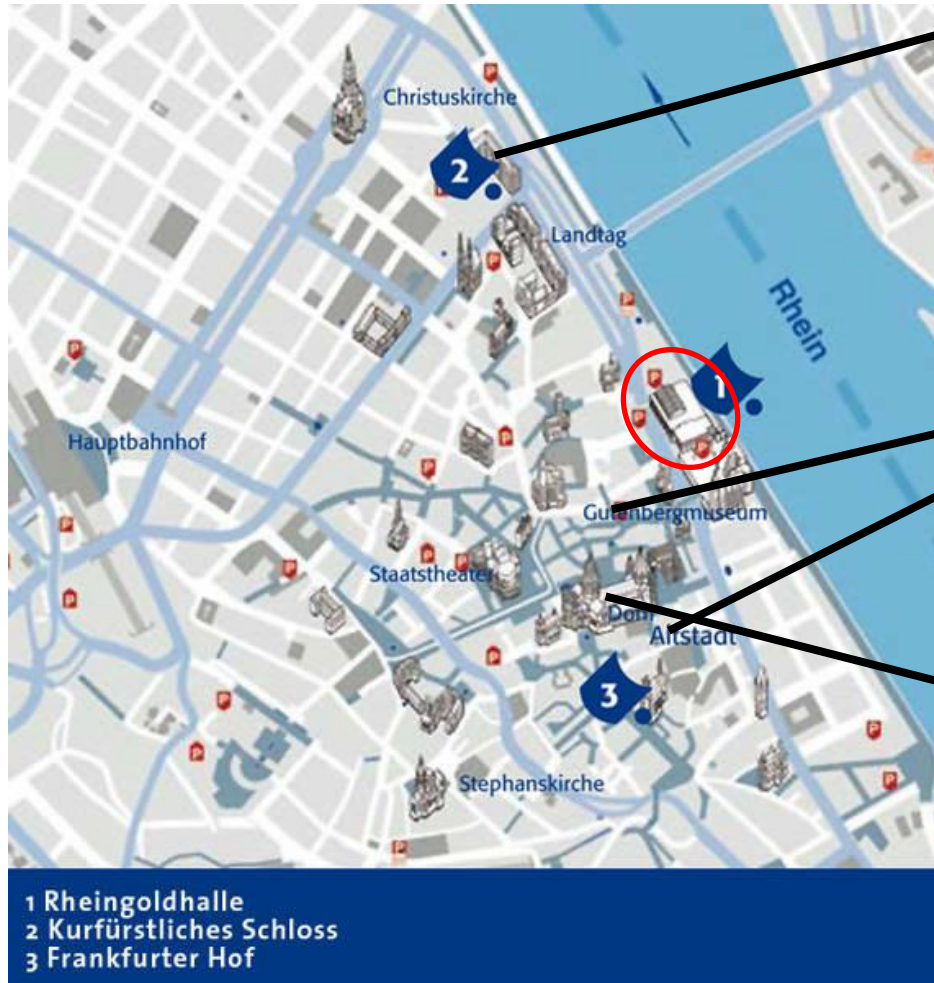


Mainz

- over 2000 years old, State Capital of Rhineland-Palatinate since 1951
- 196,000 inhabitants, 35 000 students
- numerous scientific institutes: Institute for MicroMechanics (IMM), Max Planck Institutes (Chemistry and Polymer Research), etc.
- companies with focus on: optics, lasers, biotechnology
- directly on the Rhine river, close to ancient castles, Loreley and idyllic vineyards
- 20 km from Frankfurt international airport, direct train connection
- home of the inventor of the art of printing



Map of Mainz

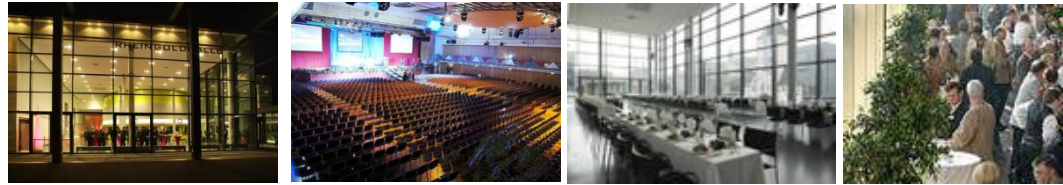


Map of Mainz



Location

Rheingold Hall Mainz

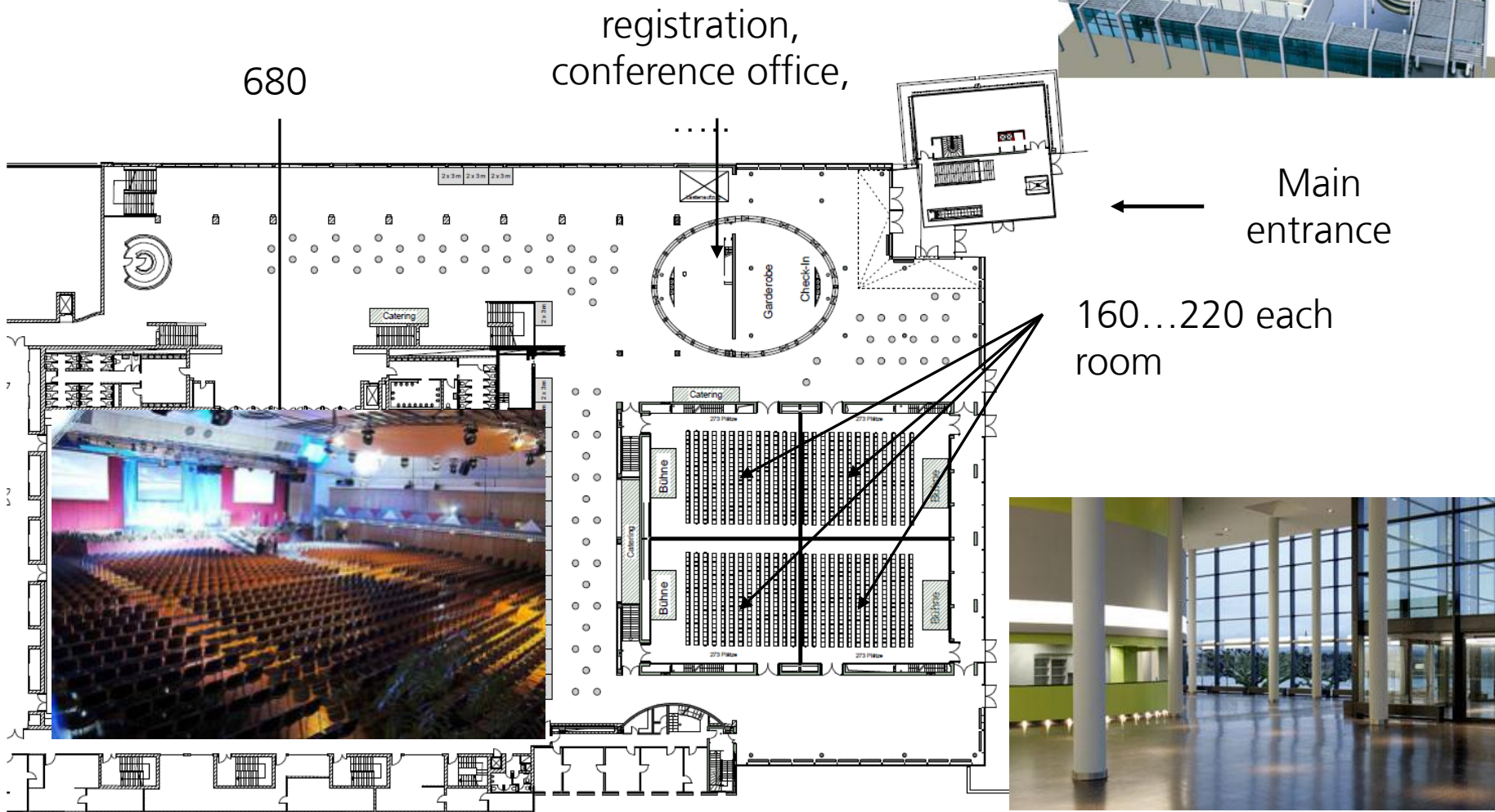


- located in the city center at the Rhine
- spacious and light- flooded
- versatile concept for events of any kind
(2 large, 5 small conference rooms)
- seats up to 4000 people
- professional organization team
- conference hotel on site
(150 guest rooms)
- banquet facilities
(or downtown, country side,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



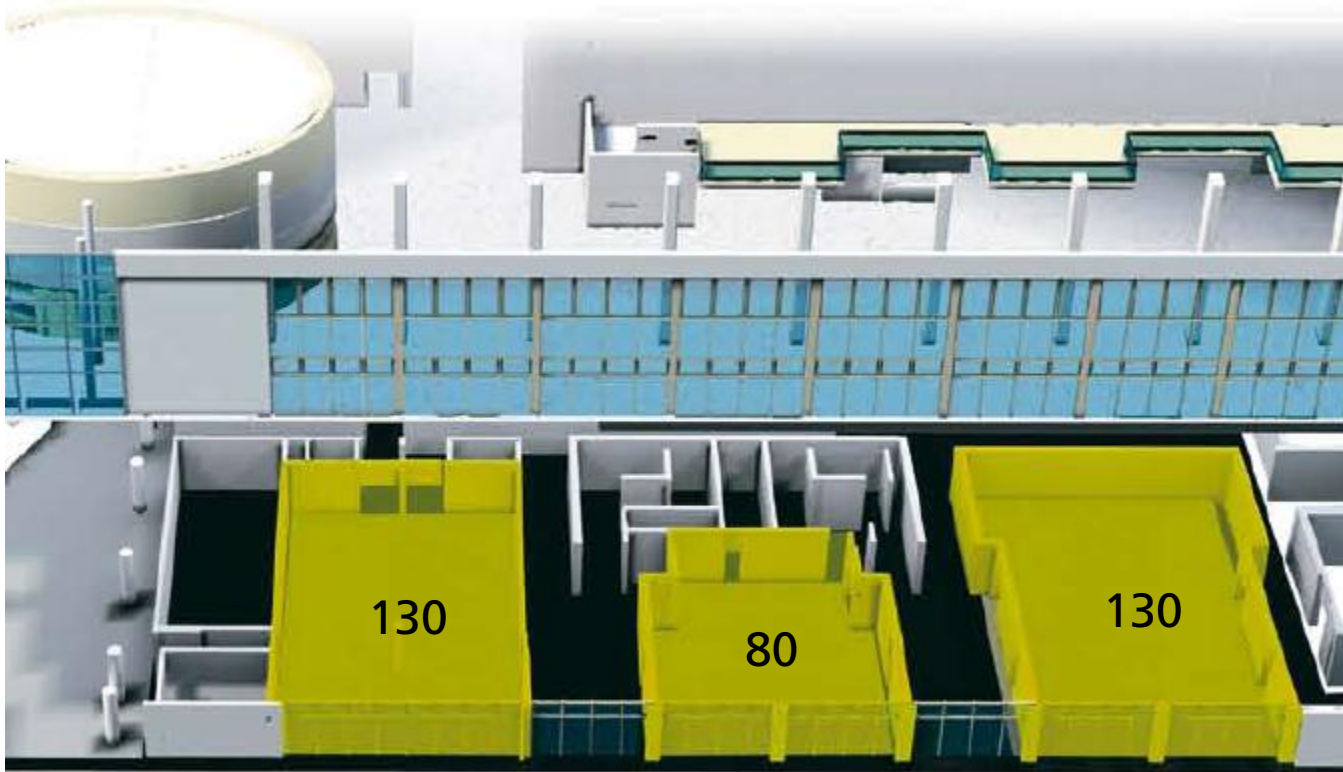
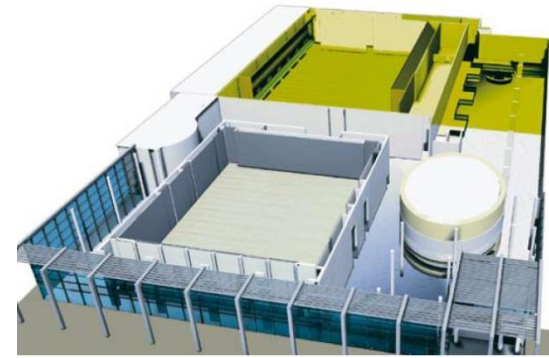
Rheingold Hall Mainz

Floorplan



Rheingold Hall Mainz

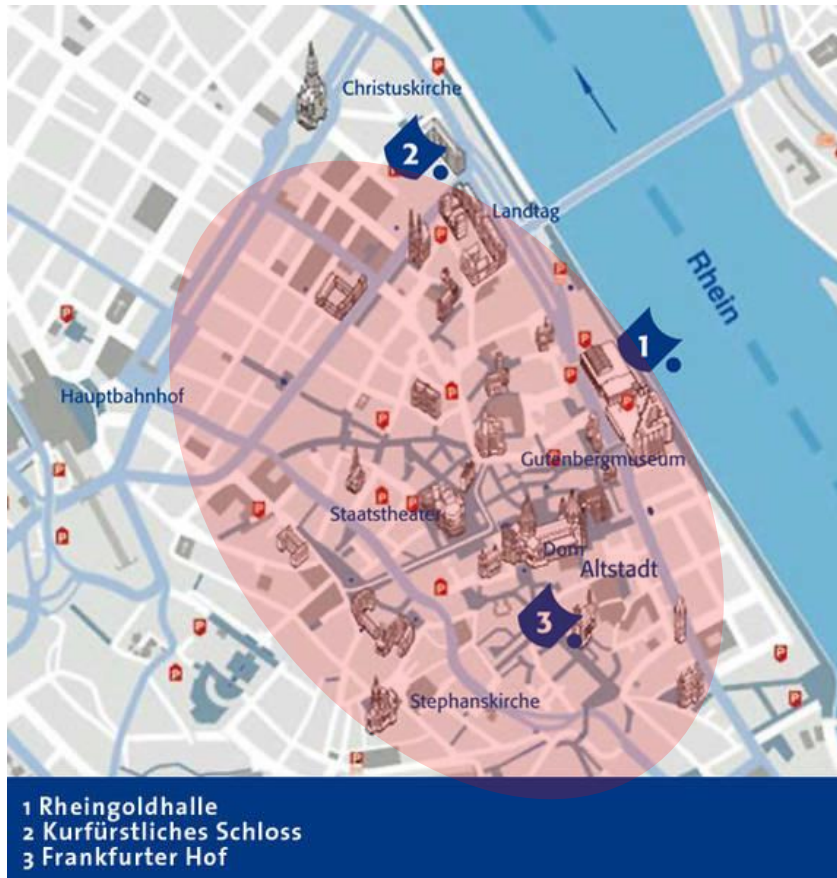
Floorplan



3 (max. 5)
additional
rooms in the
basement

slide preview,
internet
room,
additional
meetings,
etc.

Accommodation in Mainz



- Hotels: from 60 € incl. breakfast
(all within walking distance)
mostly ~ 80 € to 100 €

rooms will be blocked for
participants

Hotel on site:
double incl. breakfast ~185 €

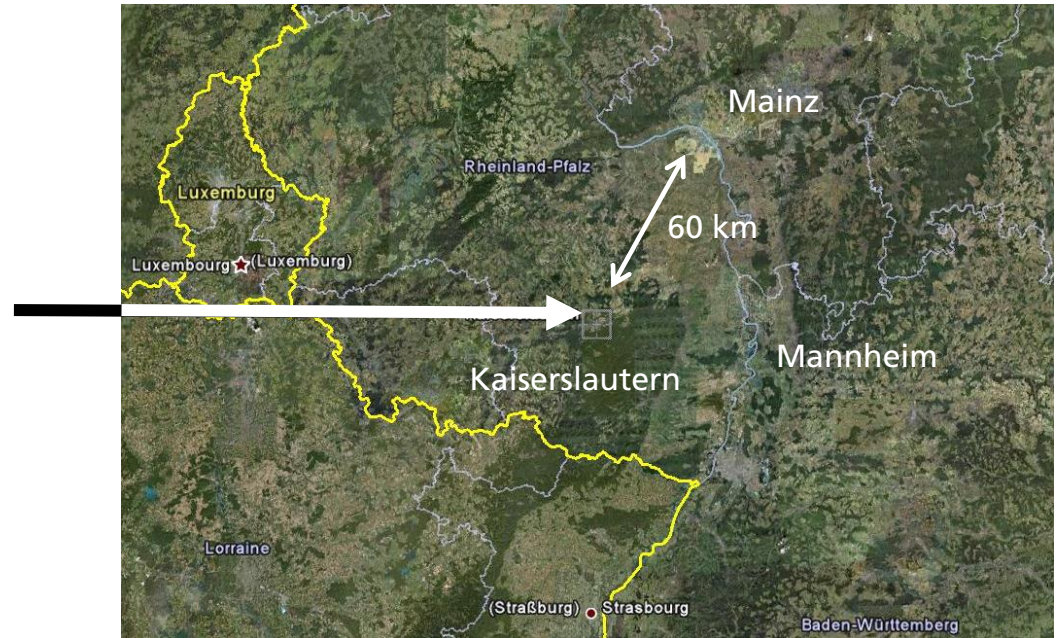
hotel ship on the Rhine river

- Conference fee 600 €/400 €
includes welcome evening,
coffee breaks, lunch,
conference dinner,
proceedings, abstract book

The Host

Fraunhofer Institute for
Physical Measurement
Techniques IPM

University of Kaiserslautern
Kaiserslautern, Germany



Satellite meeting after the conference in
Kaiserslautern, September, 07 and 08, 2013

Lab tours before/during/after the conference

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Fraunhofer Institute for Physical Measurement Techniques IPM

Department of THz measurements and systems TMS



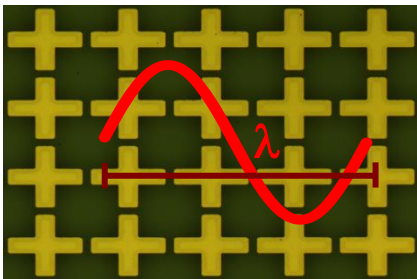
- history
 - 1994 first THz activities at the University of Kaiserslautern with strong support by Dan Grischkowsky
Department of Ultrafast Photonics and THz Physics
 - 2005 project group “TeraTec” founded by the local government Rhineland Palatinate and Fraunhofer society, department of Fraunhofer IPM, located in Kaiserslautern
 - 2008 additional laboratories at the university
 - ⋮
 - 2013 own building in the Fraunhofer Center Kaiserslautern
- staff
 - 2010 35 employees (20 regular, 15 students)

THz in Kaiserslautern

Department of Ultrafast Photonics and THz Physics
Department of Terahertz Measurement and Systems



■ Research areas



Industrial applications of THz radiation

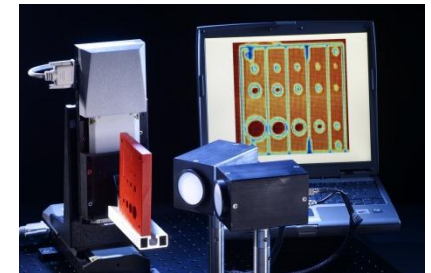
- security applications
- non destructive testing
- spectroscopy
- imaging

Metamaterials

- 3D-components for THz applications
- transformation optics
- plasmonics

THz systems

- fiber coupled
- high power



■ Strong interaction between university group and Fraunhofer

IRMMW-THz 2013

Organization



■ Local Chair

René Beigang
University of Kaiserslautern and Fraunhofer IPM

■ Local organizing committee

Marco Rahm, University of Kaiserslautern
Georg v. Freymann, University of Kaiserslautern
Harald Böttner, IPM (organizer of ICT 2009, 650 participants)
Joachim Jonuscheit, IPM

■ Program committee

M. Koch (program chair), international members

■ Possible sponsors

German Science Foundation, Fraunhofer society,
Rhineland Palatinate, University of Kaiserslautern,
Laser companies (Menlo Systems, Toptica Photonics,
Coherent Radiation, Spectra Physics, ...), ...

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



Social Program

Museums & Culinary

Zum Wohl. Die Pfalz.



- Food & Wine Degustation
- "Straussenwirtschaft":
seasonal popular wine taverns
- Gutenberg Museum, Mainz
- Museum of ancient seafaring

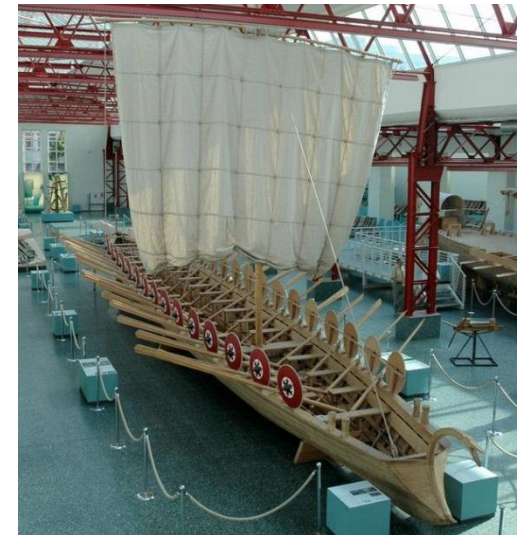


■ Guided tours in and around Mainz (full day/half day)

- classic Mainz
- Roman Mainz
- Rhine river tour
- ...

■ "Active" programs

- hiking
- bicycle tours, ...



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2013

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See you in Mainz!

