

# Activities of the JGU YMS

Period: 11/2011 - 05/2013



Mario Vormstein  
EPS Leadership Meeting  
21.06.2013 / Mulhouse

# Outline

- Where and Who we are
  - Mainz
  - Our Team
- What we do
  - Public Lectures
  - Professional Orientation
  - Recruiting
  - Interdisciplinary
  - Team Building
- What you should do
  - Ask questions!

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# Mainz - An overview

- Mainz is the capital of the *state* of Rhineland-Palatinate
- Population: ~ 200 000
- First books printed using movable type were manufactured in Mainz by Johannes Gutenberg in the early 1450s



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- Johannes Gutenberg University one of few campus universities in Germany
- Students: ~ 36 000
- Physics students: ~ 800
- Widespread physical research
  - **Material Science In Mainz**
  - **Precision Physics, Fundamental Interactions and Structure of Matter**

# Our team



Peter Micke  
**Vice President**  
Master student



Heike Enzmann  
**Secretary**  
Bachelor student



Markus Zinser  
**Treasurer**  
Master student



Tobias Weber  
**Webmaster**  
Ph.D. student



Stephan Köhler  
**Former Vice President**  
Ph.D. student

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# Public Lectures

- Two per year
- Current research topic of local faculty
- 45min talks + discussion
- Serve snacks and drinks to attract a larger audience + catalyze networking
- ~ 30 attendees

## Recent Topics:

- Astronomy: From optics to neutrinos
- Problems of nuclear waste disposal
- Hurricanes
- Food Physics

European Physical Society

**Probleme der nuklearen Entsorgung**

Wann:  
26. April 17:00 Uhr c.t.

Wo?  
HS C03, Uni Mainz

In Zusammenarbeit mit dem JungChemikerForum Mainz werden folgende Vorträge präsentiert:

"Das Problem der nuklearen Entsorgung aus der Sicht des Chemikers", Prof. Dr. Horst Geckeis, KIT Karlsruhe

"Der Nachweis geringster radiotoxischer Kontaminationen mit laser- und massenspektrometrischen Verfahren"  
Prof. Dr. Klaus Wendt, JGU Mainz

GPCCh  
KIT  
JGU Mainz  
Young Minds  
Für Lisa Malmers und Max Planck's von morgen  
JGPG

→ come see our poster



# Public Lecture: Food Physics



- Talk by Prof. Vilgis (Max Planck Institute for Polymer Research)
- Introduction to interdisciplinary research not usually covered in lectures
- Discussion covered:
  - technical question
  - moving from theory to experiment
  - industrial applications



# Professional Orientation

## Field Trip to IBM Mainz:

- 11 participants
- Talks about IBM history and storage technology
- Tour of facilities
- Extensive Q&A session regarding job possibilities



## Meet Your Prof with Prof. F. Schmidt-Kaler:

- 8 students meet one professor in a bar
- Students get to ask question about academic careers
- Increase contact between students and faculty

# Recruiting

## Events for Freshmen:

- Each semester one event for freshmen
- Introduce EPS YM and section members
- Advertise planned events for the semester
- Get to know new students



# Recruiting

## Cooperation with Physics Student Union:

- Participate in each others events
- Help with the organization of the freshmen orientation week



Poster presentation at the get together of the Institute of Physics

The jDPG and the EPS Young Minds project - Connecting young physicists in Germany and across Europe

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<sup>2</sup> Deutscher Elektronen Akkelerator in Mainz, Staudinger Weg 9, D-55128 Mainz  
Email: [info@ymps.de](mailto:info@ymps.de)

**WHO WE ARE**

**Young jDPG**

- Young German Physical Society (jDPG) is a working group within the jDPG and was founded in 2008.
- Organize events for students (incl. PhD students)
- It represents the physics students at the "Universities for Freshmen in Physics" (jointly with jGEP) and is the jDPG's ambassador.
- Help young physicists build up a network.
- Organize workshops and seminars on scientific topics and career development.
- Physical group Mainz was founded in 2009.

**DPG & EPS**

**The jDPG:**

- German Physical Society (DPG) is the oldest and largest physics society worldwide with over 8000 members and a tradition dating back to 1845.
- DPG organizes meetings for the largest physics conferences in Europe (ca. 10000 participants each year).
- Offers the physicists from universities, research institutes, industry and abroad.
- The jDPG is a working group with an average age of 25. 90% of the members are students and 10% PhD students and research assistants.

**The EPS:**

- European Physical Society (EPS) was founded in 1962 and has 15 national physical societies as members, representing more than 150000 physicists.
- EPS organizes physicists to cooperate within their own region.
- Contribute to the development of a European physics community.
- Cooperate with other international physical societies to support physicists worldwide and to lower international collaboration.

**EPS Young Minds Project**

- Project for young physicists (students to postdocs) to build up an international network.
- International project to get involved in the scientific community and present science to the local community.
- jGEP, Young Minds-Society was founded in 2011 to support the organization of the jDPG regional group.

**FIND US ONLINE**

Young Minds (Germany): [epsgyoungminds.org/section/mainz](http://epsgyoungminds.org/section/mainz) [facebook.com/JGU\\_YMS](https://www.facebook.com/JGU_YMS)

jDPG: [www.jdpg.de](http://www.jdpg.de) [facebook.com/jdpg.de](https://www.facebook.com/jdpg.de)

**WHAT WE DO**

**National Events**

- Division on research topics in physics.
- Annual workshop on theoretical physics.
- Career guidance seminar in university program.
- Programs during the DPG spring meeting, including:
  - PhD Symposium (with Division on Magnetism)
  - Special courses in collaboration with other divisions and working groups
  - Students' Day
  - Workshop on high profile research activities (e.g. CERN, ITER, LISA)

**Local Events**

- Lectures on current research topics (e.g. nuclear waste disposal or quantum biology)
- Events for Freshmen (with Fachhochschule Physik)
- Career collaboration with Young Chemists (and Young Biochemists)
- Networking events
- Regular seminar meetings
- Trips to local companies
- Meet 'Your Prof'

# Team Building

- Monthly **section meetings**
- Dedicated mailing list for members
- Powerpoint Karaoke:
  - fun way to work on presentation skills



# Interdisciplinary

- Exchange with the young chemists
  - Regular get togethers
  - Advertise each others events
  - Cooperation for lecture
    - Problems of nuclear waste disposal
- Some contact to Association of Biotech students



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# Questions

