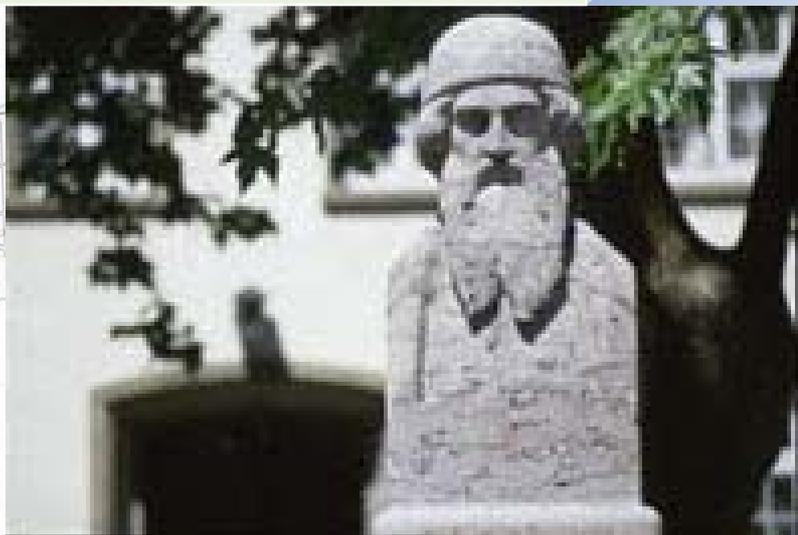




# Reactor Training Course for the University of South Carolina



**TRIGA MAINZ**

Dr. Gabriele Hampel

Johannes Gutenberg-Universität Mainz

## Reactor Training Course for the University of South Carolina

### Program:

**Sunday, 18.05.2008: Arrival**

**Monday: 05/19/2008**

10:00 a.m. Welcome at the University (President, Henkel-von Klass, Hampel) \*

Guided tour on the Campus (Henkel-von Klass)

Lunch / Cafeteria

2:00 p.m. Welcome in the Institut für Kernchemie (Reich) \*

Reactor tour (Hampel) \*

Closing: about 4:00 p.m.

**Tuesday: 05/20/2008**

10:00 a.m. Introduction in the training course: Basics part I (Hampel) \*

11:00 a.m. Introduction in the training course: Basics part II (Eberhardt) \*

0:30 p.m. Lunch / Cafeteria

2:00 p.m. Reactor inspection lists

Closing: about 4:30 p.m.

5:00 p.m. Visit of the parliament

**Wednesday: 05/21/2008**

- 08:30 a.m. Instructions for occupational safety and radiation protection (Keller)
- 09:00 a.m. Reactor start inspection list  
Cadmium experiment
- 11:30 a.m. Lunch / Cafeteria
- 12:30 a.m. Control rod calibration / Fuel inspection  
Reactor shutdown inspection list  
Closing: about 5: 00 p.m.

**Thursday: 05/22/2008 Holiday / Excursion**

- 06:30 a.m. Burg Eltz until about 8:00 p.m. (Gothe)

**Friday: 05/23/2008**

- 09:00 a.m. Osmium experiment, introduction gamma-spectroscopy (Jahn, Zauner)  
 $\beta$  - delayed neutrons (Eberhardt) \*
- 01:00 p.m. Lunch / Cafeteria
- 02:30 p.m. Guided tour Mainz (starting at the cafeteria)

**Saturday: 05/24/2008 Excursion**

- 05:45 a.m. Trier until about 10:00 p.m. (Gothe)

**Sunday: 05/25/2008**

- 06:00 a.m. Analysis and Discussion (Gothe)

**Monday: 05/26/2008**

- 08:30 a.m. Reactor inspection list  
Pulses and radiation protection measurements
- 12:00 a.m. Lunch / Cafeteria
- 02:00 p.m. Guided tour at the ZDF (Start at the cafeteria at 1:15 p.m.)  
Closing: 4:00 p.m.

**Tuesday: 05/27/2008**

9:00 a.m. Reactor inspection list  
Neutron activation analysis (water samples)  
Experiments at the TRIGA Mainz (Lauer, Kettler)

0:30 p.m. Lunch / cafeteria

2:00 p.m. Analysis and discussions (Cd experiment, pulses,  
Osmium experiment,  $\beta$ -delayed neutrons)  
Concluding discussions TRIGA Mainz

**Wednesday: 05/28/2008**

10:00 a.m. Guided tour at MAMI (Aulenbacher) \*

12:00 a.m. Lunch / Cafeteria

1:30 p.m. Radiation protection at MAMI (Aulenbacher) \*  
Closing: 5:00 p.m.

**Thursday: 05/29/2008**

10:00 a.m. GSI – Darmstadt (Departure from Mainz Hbf. at 8:49 a.m.) \*

**Friday: 05/30/2008 Excursion**

Mainz as you wish or Großer Sand (Gothe)

**Saturday: 05/31/2008**

Day off

**Sunday: 06/1/2008 Departure**

08:00 a.m. Mainz (Gothe)

\*) see also Presentations on our Homepage