

## Festveranstaltung

16:00 Musikalische Einleitung

Eröffnung / Grußworte:

Univ. Prof. DI Dr.J. Schmiedmayer, ATI

Univ. Prof. DI Dr. J. Fröhlich, Vizerektor für Forschung, TU Wien

Univ. Prof. DI Dr. G. Badurek, Dekan der Fakultät für Physik

Univ. Prof. Dr. KH. Töchterle, Bundesminister für Wissenschaft und Forschung

Univ. Prof. Dr. A. Van der Bellen

Vertreter der Stadt Wien

Deputy Director General Dr. A. Bychkov, IAEA

Dr. J.M. Crété, IAEA (Safeguards Training)

16:30 Geschichte und Höhepunkte vergangenen 50+Jahre

H. Rauch (ATI), J. Schmiedmayer (ATI)

17:00 Musik

17:10 D. Dubbers (Univ. Heidelberg): Das Neutron in der Wissenschaft

17:55 H. Abele (ATI): Ausblicke und Visionen

18:00 Party 50+



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TECHNISCHE  
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WIEN  
Vienna University of Technology



# 50+

## Years of TRIGA Research at ATI

TU-Forum: March 6, 2013  
Symposium: March 7, 2013

Registration: <http://www.ati.tuwien.ac.at>

## Distinguished Guests, Dear Colleagues, Dear Friends,

It is my great pleasure to welcome you to our TU Forum as well as to our 50+ Symposium on the TRIGA Mark II research reactor at the Atominstitut.

On the 7<sup>th</sup> of March 2013, the 51<sup>st</sup> anniversary of the first criticality of our reactor, we celebrate the last 50+ years of successful science and education. Lately, the TRIGA reactor was refurbished through an exchange of its core. Rejuvenated, it is in full operation now, the research projects have started again, and the first student lab course has already been carried out. Thanks to this modernisation, we are confident to continue our active role in science and education in the various fields covered by the members of our institute.

We hope you enjoy the TU Forum, the scientific programme at the symposium, the anniversary celebration, and the friendly atmosphere at our institute!

On behalf of the personnel of the Atominstitut

Jörg Schmiedmayer

## TU Forum

### March 6, 2013

- 17:00 Führung durch das Atominstitut
- 18:00 Vorträge und Diskussionsrunde  
J. Schmiedmayer (Begrüßung)  
  
M. Villa (ATI)  
M. Hajek (IAEA)  
H. Abele (ATI)
- 19:30 Buffet und Führungen

## 50+ Symposium, March 7, 2013

### 09:00 Welcome

#### Session 1:

- 09:10 A. Borio (IAEA): TRIGA Research Reactors: Essential Tools for Nuclear Science Development and Nuclear Capacity Building  
M. Villa: The Reactor Group
- 09:55 W. Kutschera (Univ. of Vienna): Radiation Physics - A Wide-Ranging Research Field  
C. Strelt: The Radiation Physics Group
- 10:40 Coffee Break

#### Session 2:

- 11:10 Speaker: D. Cardwell (Univ. of Cambridge): Recent Developments in Bulk Superconductivity  
F. Sauerzopf: The Low Temperature Physics and Superconductivity Group
- 11:55 S. Werner (NIST): Observation of Aharonov-Bohm Effects by Neutron Interferometry  
H. Abele: The Neutron and Quantum Physics Group
- 12:40 Lunch Buffet at the Aula

#### Session 3:

- 14:00 F. Thielemann (Univ. of Basel): Formation of the Elements of the Universe  
H. Leeb: The Nuclear and Particle Physics Group
- 14:45 W. Ertmer (QUEST, Univ. of Hannover): Quantum and Atomic Optics: From Fundamentals to Applications  
A. Rauschenbeutel: On behalf of all Quantum Groups
- 15:30 Coffee Break