

Contact/Registration:

krames@uni-greifswald.de www.tr24.uni-greifswald.de The number of participants is limited to about 60.

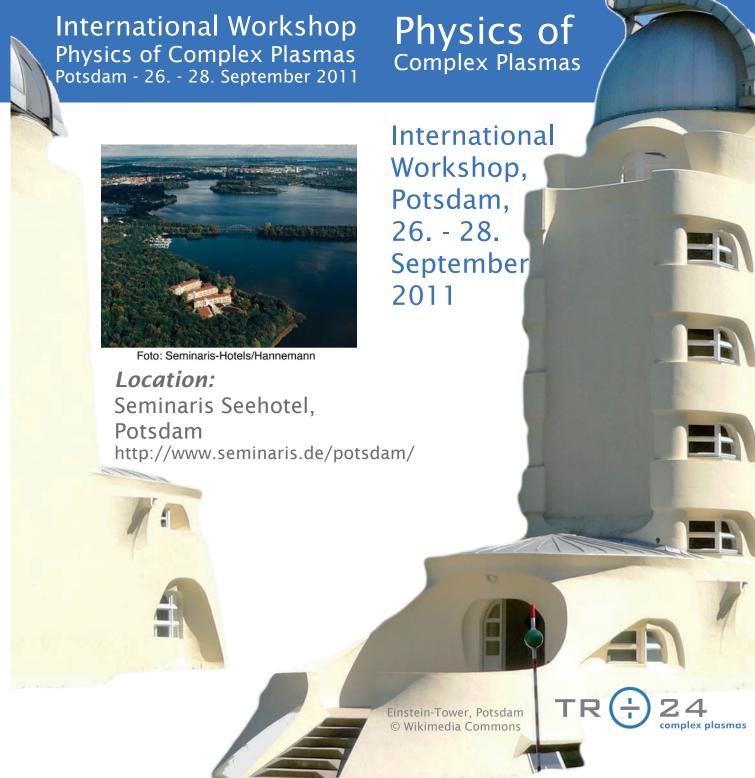
Deadline:

31.05.2011

Sightseeing:

Sanssouci, Potsdam Glienecker Brücke, Potsdam Reichstag, Berlin Boattrip, Havel-Wannsee







Topics:

- Correlations and coupling effects in dusty plasmas and granular media
- Dynamics, transport and chemistry in multi-species bounded plasmas
- Plasma-surface interaction



Supported by:

Deutsche Forschungsgemeinschaft via SFB TRR 24

Keynote Speakers:

Jan Benedikt, Bochum (D)
Giorgio Dilecce, Bari (IT)
David B. Go, Notre Dame (USA)
Igor Kaganovich, Princeton (USA)
Hartmut Löwen, Düsseldorf (D)
Maxime Mikikian, Orleans (FR)
Deborah O'Connell, Belfast (UK)
Marlene Rosenberg, San Diego (USA)
Mohan Sankaran, Cleveland (USA)

Committee:

Jürgen Meichsner conference chairman Holger Fehske scientific program Bert Krames conference secretary

Scope:

The workshop, organized by the Transregional Collaborative Research Centre SFB/TRR24 "Fundamentals of Complex Plasmas", focuses on multi-component plasmas containing, besides electrons and positive ions, additional species like negative ions, nm to $\mu m\text{-sized}$ solid particles, and reactive atoms and molecules strongly interacting with surfaces.

A complex plasma is thus an ideal system for investigating ordering phenomena and the phase transitions associated with it as well as multi-component transport processes involving simultaneously various subsystems. In addition it is well suited for generating radicals, molecules, nanoclusters, and thin functional surface layers where in particular the latter are of great technological interest.

The goal of the workshop is to bring together researchers from all over the world having complementary expertise from plasma, solid state, and chemical physics as well as material science and to provide a stimulating atmosphere for discussing these interdisciplinary topics.