



TECHNISCHE
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INSTITUT FÜR
ANGEWANDTE PHYSIK
Institute of Applied Physics
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IAP-SEMINAR

ANNOUNCEMENT

- Date: **Tuesday, 15.12.2015**
Time: **16:00 p.m.**
Location: **Technische Universität Wien, Institut für Angewandte Physik, E134**
yellow tower „B“, 5th floor, Sem.R. DB gelb 05 B (room number DB05L03)
1040 Wien, Wiedner Hauptstraße 8-10
- Lecturer: **Priv.Do. Dr. Benedetta Casu**
University of Tuebingen, Institute of Physical Theoretical Chemistry,
Tuebingen/Germany
- Subject: **Organic radicals: towards magnetism in thin films of purely organic materials(?)**
- Abstract: Organic radicals are fascinating materials because of their unique properties, which make them suitable for a variety of possible applications. They are certainly promising candidates for groundbreaking applications from energy storage to quantum computing; all fields having strong social impact, with low costs, chemical flexibility, energy saving technologies and eco-friendly production playing the major roles. Although there is a huge amount of work focused on their synthesis, there are no extensive studies of their thin film properties. This is, however, a prerequisite for applications.

Inspired by this view, we have adopted a new approach towards this class of materials. We use X-ray based techniques such as X-ray photoelectron spectroscopy and microscopy, coupled to electron paramagnetic resonance spectroscopy to describe their film processes, also towards understanding magnetism in purely organic radicals.

*All interested colleagues are welcome to this seminar lecture
(45 minutes presentation followed by discussion).*

*U. Diebold e.h.
(Seminar-Chairperson)*

*H. Störi e.h.
(LVA-Leiter)*

