



TECHNISCHE
UNIVERSITÄT
WIEN

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INSTITUT FÜR
ANGEWANDTE PHYSIK
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IAP-SEMINAR

EINLADUNG

Termin: **Dienstag, 24.1.2012 um 16:00 Uhr**
Ort: **Technische Universität Wien,
Institut für Angewandte Physik,
Seminarraum 134A, Turm B (gelbe Leitfarbe), 5. OG
1040 Wien, Wiedner Hauptstraße 8-10**

Vortragender: **Dr. Gerald Richter**
TU Wien, IAP

Thema: **Improvements in understanding the energy transport in
multi-layer insulations**

Kurzfassung

As part of the research project "Ultimal" efforts were made to better understand some details in the functioning of Multi-layer insulations (MLIs) as they are long used in space and terrestrial cryogenic applications. It was the goal of this study to pave the way for a replacement of the "empirical black-box approach" that is mostly used in designing MLIs up until now, while attempting to shed some light on discovered unexpected behavior of these materials which can not be explained in a straightforward manner.

This talk will give a summary on the closed study, the experimental efforts that were made and some conclusions that can be drawn from it.

*Alle interessierten Kolleginnen und Kollegen sind zu diesem Seminar
(45 min mit anschließender gemeinsamer Diskussion) herzlich eingeladen.*

*W. Werner e.h.
(Seminar-Chairperson)*

*H. Störi e.h.
(LVA-Leiter)*