

## **EINLADUNG**

zum Vortrag  
von

**Ao. Univ.-Prof. Dr. Hinrich Grothe**  
Institut für Materialchemie, Technische Universität Wien

### **Ice structures, patterns, and processes: A view across the ice-fields**

am

**Dienstag, 20. März 2012, um 17:30 Uhr**

Ort: Lise-Meitner-Hörsaal, Fakultät für Physik, Universität Wien,  
1090 Wien, Strudlhofgasse 4 / Boltzmannngasse 5, 1. Stock

*Barrierefreier Zugang: Boltzmannngasse 5, Lift, 1. Stock rechts über den Gang zum Hintereingang des Hörsaals*

#### **Abstract:**

Ice is indeed all around us. As the cryosphere, ice or snow covers a small but significant part of the Earth's surface, both land and sea, and it plays a similarly important role in our atmosphere. Moreover ice is present on many other celestial bodies in our solar system and — surely — beyond, and it coats grains of dust in interstellar space. Ice is not a static medium but a dynamical one; it shows strong variations of its characteristics with time and place, as we may readily experience at a human scale on any ski slope. A better understanding of ice structures, patterns, and processes is thus a topic of current research in physics and chemistry. This talk shall illustrate how progress in understanding these questions is elemental in understanding current questions in astrophysics, atmospheric, cryospheric, and environmental science.

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#### **CHEMISCH-PHYSIKALISCHE GESELLSCHAFT**

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