



# ΙΤΕ/ΕΙΧΗΜΥΘ

## ΣΕΜΙΝΑΡΙΟ ΣΕΜΙΝΑΡΙΟ

**ΟΜΙΛΗΤΗΣ: Professor W. Freyland**  
Karlsruhe Institute of Technology, KIT, Germany

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**ΘΕΜΑ: Interfacial Phase Transitions in Conducting Fluids**

**ΤΟΠΟΣ:** Αίθουσα Σεμιναρίων ΙΤΕ/ΕΙΧΗΜΥΘ

**ΗΜΕΡΟΜΗΝΙΑ: Τετάρτη, 31 Οκτωβρίου 2007**

**ΩΡΑ: 12:00**

**ΠΕΡΙΛΗΨΗ:** Phase transitions at interfaces of fluid metals, alloys and ionic liquids will be presented and discussed. This includes first order wetting transitions at the liquid/vapour and liquid/wall interface and, in particular, the novel phenomena of surface freezing or surface induced crystallization which was studied recently in our group. The second part of the talk focuses on ionic liquid interfaces, order-disorder transitions at their liquid/vapour interface and two-dimensional phase transitions at the electrified liquid/solid electrode interface. Finally, a simple electrowetting experiment with ionic liquids will be described.