# İSTANBUL ANALYSIS SEMINARS

## LINEAL CONVEXITY

### Christer O. KISELMAN

### Uppsala University
### Department of Mathematics

**Abstract:** A bounded open set with boundary of class $C^1$ which is locally weakly lineally convex is weakly lineally convex, but as shown by Yuriĭ Zelinskiĭ, this is not true for unbounded domains. The purpose here is to construct an explicit example, a Hartogs domain, showing this. Obstructions to constructing certain smooth domains will be discussed.

**Date**:  March 14, 2014
**Time**:  15:40
**Place**:  Sabancı University, Karaköy Communication Center
Bankalar Caddesi 2, Karaköy 34420, İstanbul