

The Faculty of Mathematics and Computer Science  
The Weizmann Institute of Science  
announces the eighteenth

***Chaim Leib Pekeris Memorial Lecture***

to be delivered by

**Professor Cedric Villani**

**University of Lyon & Institute Henri Poincaré**

Sponsored by the Arthur and Rochelle Belfer Institute of Mathematics and Computer Science  
at The Weizmann Institute of Science

The title:

**Entropy and H Theorem:  
The Mathematical Legacy of Ludwig Boltzmann**

on Tuesday, 8 March 2011, at 16:00  
in the [Wolfson Lecture Hall](#), on campus

A reception in honor of Prof. Villani will be held after the lecture

**Abstract**

This talk is devoted to the presentation of some of the most important concepts in statistical mechanics, including Boltzmann's statistical entropy, the notion of macroscopic irreversibility and molecular chaos, and the Boltzmann equation. These concepts were at the basis of a little conceptual revolution at the end of the nineteenth century