



**Venerdì 25 Febbraio**  
**Aula Wataghin, ore 12:00**

**Aldo Cotrone**  
**(Università di Torino)**

## **Applied Holography**

Holography provides a fascinating connection between the physics of gravity (or string) theories and ordinary quantum field theories at strong coupling. In this Colloquium I will review two applications of this phenomenon. First, I will describe certain Quark-Gluon Plasmas by means of black holes. Then, I will show how basic features of Condensed Matter systems (superconductivity, Fermi surfaces, etc.) are encoded in properties of gravity systems.