

FUNDAMENTAL INTERACTIONS, GEOMETRY and PHYSICS

*One-day mini Workshop on the interface between the
Theoretical Physics of Fundamental Interactions and Mathematics*

Dipartimento di Fisica "Ettore Pancini"
Aula Caianiello - October 25, 2018

Program:

- 09.30 – 10.30** **Dmitri SOROKIN** (INFN, Padua Section - Italy)
Geometry of surfaces and dynamics of branes
- 10.30 – 11.00** **Coffee break**
- 11.00 – 12.00** **Erik PLAUSCHINN** (LMU, Munich - Germany)
Non-Geometric Backgrounds in String Theory
- 12.00 – 13.00** **Falk HASSLER** (Oviedo University - Spain)
Poisson-Lie T-duality in Double Field Theory
- 13.00 – 14.30** **Lunch break**
- 14.30 – 15.30** **Giulio BONELLI** (SISSA, Trieste - Italy)
Spectral Geometry of Supersymmetric Gauge Theories
- 15.30 – 16.00** **Coffee break**
- 16.00 – 17.00** **Camillo IMBIMBO** (Genoa Univ. - Italy)
Emergent topological structures in Supergravity
- 17.00 – 17.30** **Discussion and conclusions**