



Gravity, Gauge Theories and Geometry

Prof Dario Martelli
(King's College, London)

String Theory and Supergravity Seminar:

Tuesday May 29th, h 14:30, Wataghin Lecture Hall,
Physics Department, Via Pietro Giuria 1, 10125 Torino
AdS/CFT and F-theory

Mathematics Colloquium

Thursday May 31st, h 14:30, Lecture Hall C,
Mathematics Department "Giuseppe Peano", Via Carlo Alberto, 10 - 10123 Torino
Geometric structures arising in string theory and the gauge/gravity duality

Physics Colloquium:

Friday June 1st, h 14:30, Tullio Regge Main Lecture Hall,
Physics Department, Via Pietro Giuria 1, 10125 Torino
The holographic universe

The speaker:



Dario Martelli studied Physics at the University and the Scuola Normale Superiore of Pisa, and obtained his PhD from SISSA in Trieste. He held research positions at CERN and IAS-Princeton. In 2010 he joined the Department of Mathematics of King's College, where he became a Professor in 2013. He held an EPSRC Advanced Fellowship and an ERC Starting Grant to lead research at the interface of string theory, gauge theory, and geometry. In 2010 he won the SIGRAV Prize for his work in string theory. He collaborated with Prof S.-T. Yau, on Sasaki-Einstein geometry and its relationship to string theory, and with Prof J. Maldacena on aspects of the string theory/gauge theory correspondence. Dario's research interests are centred around the gauge/gravity correspondence in string theory and geometric structures arising in this context. In particular, he is interested in supergravities and their supersymmetric solutions. He discovered the first example of an infinite family of Sasaki-Einstein metrics and obtained important results in Sasakian geometry