

SFTLD 2018

Synopsis and Organizers

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Superconformal Field Theories in 6 and Lower Dimensions

Conformal field theories represent a very active research field worldwide with many international experts working on various aspects of the topic. Progress during the past several years has led to many new interdisciplinary connections to mathematics and in particular geometry as well as to deep and profound questions of fundamental physics. Superconformal field theories (SCFT's) arise once one adds supersymmetry on top of conformal symmetry. This addition leads to a new class of very rich but highly non-trivial and constrained quantum field theories which play a prominent role in string theory and the AdS/CFT correspondence. SCFT's appear in spacetime dimensions 2 to 6 with various inter-dimensional connections between them.

The goal of this workshop is to bring together international experts from both physics and mathematics working on SCFT's in various dimensions. Above all, we would like to provide an atmosphere for interactions, discussions and collaborations on new developments in the field.

Organizers

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Michele Del Zotto	Stony Brook University, USA
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Mauricio Romo	IAS, Princeton University, USA
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