



# “New Developments in Conformal Field Theory Above Two Dimensions”

## March 6-8, 2017

Jadwin Hall, Fourth Floor, Room 407  
PCTS Seminar Room

While much has been known about CFTs in two space-time dimensions for a long time, the study of CFTs in more than two space-time dimensions has recently been undergoing significant progress. This workshop will include extensive studies of CFTs in three and higher dimensions, covering a variety of techniques such as the  $1/N$  expansion, the epsilon expansion and the conformal bootstrap. CFT models have applications in condensed matter and statistical systems, but they are also very interesting for theoretical reasons, such as their relation to quantum gravity via the AdS/CFT correspondence.

**FREE, but REQUIRED REGISTRATION is limited and available online at <http://pcts.princeton.edu/pcts>**

**Workshop Organizers:** Simone Giombi, Igor Klebanov, Bruno Le Floch and Silviu Pufu

### Speakers

Francesco Benini, SISSA  
Anatoly Dymarsky, University of Kentucky  
Sergei Gukov, Caltech  
Igor Herbut, SFU  
Lukas Janssen, Dresden University  
Andreas Karch, University of Washington  
Ami Katz, Boston University  
Zohar Komargodski, Weizmann Institute  
Jennifer Lin, IAS  
Greg Moore, Rutgers University

Rajamani Narayanan, FIU  
Hugh Osborn, DAMTP  
João Penedones, EPFL  
David Poland, Yale University  
Slava Rychkov, CERN  
Nati Seiberg, IAS  
David Simmons-Duffin, IAS  
Grigory Tarnopolsky, Princeton University  
Arkady Tseytlin, Imperial College, London  
Misha Vasiliev, LPI

**This workshop will be held in conjunction with “The Quantum Hall Effect: Past, Present & Future (QHE)” workshop, held from March 8-10, 2017; Room 407 Jadwin Hall, PCTS.**