



**Nima Arkani-Hamed**, Harvard  
*HEP circa 2010*

**Vijay Balasubramanian**, Pennsylvania  
*The Library of Babel: Holography and Quantum Foam*

**Melanie Becker**, Maryland  
*M-theory Cosmology*

**Niklas Beisert**, Princeton  
*Applying Integrability in AdS and CFT*

**Iosif Bena**, UCLA  
*Geometric Transitions, Black Rings and Black Hole Microstates*

**Dick Bond**, CITA, Toronto  
*Measuring Cosmic Parameters*

**Freddy Cachazo**, Perimeter  
*Recent Progress in Perturbative Gauge Theories*

**Atish Dabholkar**, Tata Institute  
*Going beyond Bekenstein and Hawking*

**Frederik Denef**, Rutgers  
*Constructions and distributions of string vacua*

**Michael Dine**, Santa Cruz Institute for Particle Physics  
*Branches of the Landscape*

**Michael Douglas**, I.H.E.S., Rutgers  
*Is the number of string vacua finite?*

**Henriette Elvang**, UC Santa Barbara  
*Black rings*

**Sergey Frolov**, Max-Planck-Institut für Gravitationsphysik Albert-Einstein-Institut  
*Multi-parameter deformations of  $AdS_5 \times S^5$  geometry*

**Amihay Hanany**, MIT  
*Brane Tilings, Dimers and Quiver Gauge Theories*

**Petr Horava**, California, Berkeley & LBNL  
*Noncritical M-Theory in 2+1 Dimensions as a Nonrelativistic Fermi Liquid*

**Gary Horowitz**, UCSB  
*A new endpoint for Hawking evaporation*

**Anton Kapustin**, Caltech  
*Disorder operators in gauge theories and duality*

**Shamit Kachru**, SLAC, Stanford  
*A classical type IIA landscape*

**Renata Kallosh**, Stanford  
*String cosmology and the index of the Dirac operator*

**Per Kraus**, UCLA  
*Attractors, Anomalies, and Black Hole Entropy*

**Martin Kruczenski**, Brandeis  
*Strings from  $N=1$  superconformal gauge theories*

**Hong Liu**, MIT  
*Black hole singularities in Yang-Mills theories*

**Oleg Lunin**, IAS  
*Marginal deformations of field theories and their gravity duals*



**Juan Maldacena**, IAS  
*Free fermions and BPS geometries*

**Dario Martelli**, CERN  
*New results in AdS/CFT*

**Hiroshi Ooguri**, CalTech  
*Topological String Theory*

**Joseph Polchinski**, KITP, UCSB  
*Update on cosmic strings*

**Fernando Quevedo**, Cambridge  
*Exponentially large extra dimensions and soft supersymmetry breaking in type IIB flux compactifications*

**Albert de Roeck**, CERN  
*Physics beyond the Standard Model at the LHC*

**Vyacheslav Rychkov**, ITFA, Amsterdam  
*Geometry quantization from supergravity*

**Ashoke Sen**, Harish-Chandra Research Institute  
*Extremal black holes in higher derivative gravity*

**Nathan Seiberg**, IAS  
*New Phenomena in 2d String Theory*

**Eva Silverstein**, SLAC, Stanford  
*The Tachyon at the End of the Universe*

**Andrei Starinets**, Perimeter  
*Holography and hydrodynamics*

**Andrew Strominger**, Harvard  
*Fun with Black Holes*

**Shigeki Sugimoto**, Yukawa Institute for Theoretical Physics, Kyoto  
*Analysis of QCD via Supergravity*

**Tadashi Takayanagi**, Harvard  
*Time-like Linear Dilaton and Open-Closed Duality*

**Alessandro Tomasiello**, ITP, Stanford  
*The Generalized Complex Geometry of Supersymmetry*

**Henry Tye**, Cornell  
*Wavefunction of the Universe*

**Angel Uranga**, Universidad Autónoma de Madrid  
*Infrared dynamics of duality cascades and warped throats*

**Erik Verlinde**, ITF, Amsterdam  
*A Matrix Big Bang*

**Bernard de Wit**, Institute for Theoretical Physics & Spinoza Institute, Utrecht  
*Supersymmetric Black Hole Partition Functions*

**Edward Witten**, IAS  
*Axions in String Theory*

**Shing-Tung Yau**, Harvard  
*Superstring theory with torsion*

**Barton Zwiebach**, MIT  
*Is there a closed string tachyon vacuum?*