

GEOMETRY OF STRING VACUA

2005 Simons Workshop in Mathematics and Physics

Stony Brook University, July 25 - August 26

C.N. Yang Institute for Theoretical Physics
and Department of Mathematics

Participants Include:
* To be confirmed

Natban Berkovits (Sao Paolo)
Frederik Deneff (Rutgers)
Michael Douglas (Rutgers & IHES)
Dan Freed (Austin)
*Brian Greene (Columbia) **
Amir Kasbani-Poor (Stanford & SLAC)
Seldon Katz (Illinois)
Albrecht Klemm (Madison)
Juan Maldacena (IAS)
Greg Moore (Rutgers)
Michael Movshev (UC Davis)
Hiroshi Ooguri (CalTech)
*Rahul Pandharipande (Princeton) **
Sav Sethi (Chicago)
Eva Silverstein (Stanford & SLAC)
Cumrun Vafa (Harvard)
Edward Witten (Princeton, IAS)
*Shing-Tung Yau (Harvard) **

Scientific Advisor: *Cumrun Vafa (Harvard)*

Local Coordinator: *Martin Roček*

Local Participants Include:

<i>Sebastian</i>	<i>Misha Lyubich</i>
<i>Casalaina-Martin</i>	<i>Ari Pakman</i>
<i>Alastair Craw</i>	<i>Sorin Popescu</i>
<i>Alfred Goldhaber</i>	<i>Leonardo Rastelli</i>
<i>Detlef Gromoll</i>	<i>Martin Roček</i>
<i>C. Denson Hill</i>	<i>Robert Sbrock</i>
<i>Jerome Jenquin</i>	<i>Warren Siegel</i>
<i>Alexander Kirillov</i>	<i>George Stermann</i>
<i>Vladimir Korepin</i>	<i>Dennis Sullivan</i>
<i>Blaine Lawson</i>	<i>Leon Takhtajan</i>
<i>Claude LeBrun</i>	<i>Brenno Vallilo</i>
<i>William Linch</i>	<i>Peter van Nieuwenhuizen</i>

The Simons Workshops focus on the interaction between physics and mathematics, particularly in the context of string theory. A deeper understanding of the geometry of string compactification has become increasingly important in connecting string theory to the real world, in the context of early universe cosmology as well as collider physics. This workshop reviews recent progress in these directions.

For information: <http://insti.physics.sunysb.edu/itp/conf/simonswork3/>

Supported by the Simons Foundation,
and by Stony Brook University
Office of the Provost and President,
C.N. Yang Institute for Theoretical Physics and
Department of Mathematics