

## Speakers and Titles

(update: April 7, 2012)

**April 3 (Tue)**

**coordinator: H. Itoyama**

9:00-9:20	Y. Nishizawa	Opening address by the president of Osaka City University
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<b>chairperson S. Iso</b>		
9:20-10:00	H. Kawai	Quantum Gravity and the Naturalness Problem
10:00-10:40	J. Nishimura	(3+1)-dimensional expanding universe from a Lorentzian matrix model for superstring theory in (9+1) dimensions

10:40-11:10                      coffee break

<b>chairperson Y. Imamura</b>		
11:10-11:50	V. Pestun	Instanton calculus for quiver gauge theories
11:50-12:30	K. Lee	Counting in 4,5,6 dimensions

12:30-15:00                      Lunch

<b>chairperson M. Fukuma</b>		
15:00-15:40	T. R. Taylor	Mamimally Helicity Violating Amplitudes, Transcendental Functions and Twistors
15:40-16:10	Y. Satoh	Gluon scattering amplitudes from gauge/string duality and integrability
16:10-16:25	F. Sugino	Recent developments of supersymmetric gauge theories on lattice
16:25-16:40	N. Maru	D-term Dynamical SUSY Breaking

16:40-17:10                      coffee break

<b>chairperson T. Kobayashi</b>		
17:10-17:50	S. Raby	Constructing the MSSM : $E_8 \times E_8$ heterotic string
17:50-18:30	T. Kawano	Notes on F-Theory Compactifications

18:50-20:50                      Reception Dinner

**April 4 (Wed)**

**coordinator: H. Kanno**

<b>chairperson Y. Hyakuyake</b>		
9:00-9:40	Y. Nakayama	Surprising trace anomaly from freakology
9:40-10:20	A. Tsuchiya	A novel large-N reduction for N=4 SYM on $R \times S^3$ and the AdS/CFT correspondence

10:20-10:50                      coffee break

<b>chairperson T. Nakatsu</b>		
10:50-11:30	H. Nakajima	AGT conjecture and convolution algebras
11:30-12:10	P. Yi	Constructive Wall-Crossing & Seiberg-Witten
12:10-12:40	M. Shigemori	Exotic Branes and Black Hole Microstates

12:40-15:00

Lunch

<b>chairperson K. Ohta</b>		
15:00-15:40	Y. Tachikawa	On 4-dimensional defects of 6d $N=(2,0)$ theory
15:40-16:10	T. Oota	Beta-deformed matrix models and Nekrasov Partition Functions

16:10-16:40

coffee break

<b>chairperson H. Kunitomo</b>		
16:40-16:55	N. Mekareeya	Hilbert series and Its Applications to SUSY Gauge Theories
16:55-17:05	H. S. Yang	Noncommutative Field Theory Representation of AdS/CFT Correspondence
17:05-17:15	T. Nishinaka	The gravity duals of SO/USp superconformal quivers
17:15-18:30		Poster Session

**April 5 (Thu)****coordinator: K. Ito**

<b>chairperson C. S. Lim</b>		
9:00-9:40	I. Antoniadis	Mass hierarchy in string theory and experimental predictions
9:40-10:20	Y. Seiya	Current Status of Experimental Particle Physics

10:20-10:50

coffee break

<b>chairperson Y. Kitazawa</b>		
10:50-11:30	Y. Hatta	Hard processes in AdS/CFT
11:30-12:10	K. Hashimoto	Holographic Nuclei

12:30-

Excursion

**April 6 (Fri)****coordinator: K. Ito**

<b>chairperson K. Yoshida</b>		
9:00-9:40	A. Sen	BPS States in $N=4$ Supersymmetric Gauge Theories
9:40-10:20	A. Dabholkar	Localization & Exact Quantum Entropy

10:20-10:50

coffee break

<b>chairperson S. Yamaguchi</b>		
10:50-11:30	S.-J. Rey	Counting Degrees of Freedom at 3D
11:30-12:10	S. Sugimoto	On S-duality in non-SUSY gauge theory
12:10-12:25	S. Moriyama	Summing Up All Genus Free Energy of ABJM Matrix Model
12:25-12:40	K. Sakai	Counting BPS states in E-string theory

12:40-15:00

Lunch

<b>chairperson S. Aoyama</b>		
15:00-15:40	A. Marshakov	Dimers, wiring diagrams and integrable systems
15:40-16:20	S. Gukov	Volume Conjecture: Refined and Categorized

16:20-16:35  
16:35-17:05

conference photo  
coffee break

<b>chairperson T. Suyama</b>		
17:05-17:20	A. Rej	The massive $CP^{N-1}$ model and integrability
17:20-17:30	R. Meyer	Violating Hydrodynamics in 2+1 Dimensions
17:30-17:40	S. Seki	Chiral condensate in dense baryons
17:40-17:50	T. Houri	Killing-Yano symmetry in supergravity theories

**April 7 (Sat)**

**coordinator: H. Itoyama**

<b>chairperson Y. Matsuo</b>		
9:00-9:40	V. Kazakov	Y-system and FiNLIE equations for the exact spectrum of $AdS_5/CFT_4$
9:40-10:20	G. E. Arutyunov	Bound States in the Mirror TBA

10:20-10:50

coffee break

<b>chairperson Y. Yasui</b>		
10:50-11:30	T. Takayanagi	Strange Metals and Holographic Entanglement Entropy
11:30-12:10	A. Morozov	From AGT to knots

17:00-

Public Lecture