



KITP Conference: Spacetime and String Theory

(Apr 2-5, 2024)

Coordinators: Lara Anderson, Rajesh Gopakumar, Thomas Hartman, and Xi Yin

Tuesday, Apr 2, 2024

8:50am Mark Bowick (KITP)	Welcome[Video]
9:00am Eva Silverstein (Stanford)	Algorithmic proposal for a timelike-boundary dual of dS_3 with matter[Slides][Video][CC]
9:45am Sameer Murthy (King's College London)	Gravitational index of the heterotic string[Slides][Video][CC]
10:30am	Morning Break
11:00am Jacob McNamara (Caltech)	Cobordism, ER = EPR, and the Sum Over Topologies[Slides][Video][CC]
11:45am Victor Rodriguez (Princeton)	The Virasoro Minimal String[Slides][Video][CC]
12:30pm	Lunch Break
2:00pm Scott Collier (CTP)	A new 2d string theory/matrix model duality[Video][CC]
2:45pm Naomi Gendler (Harvard)	The String Axiverse: Axion-photon couplings and universality[Video][CC]
3:30pm	Afternoon Break
4:00pm Ashoke Sen (ICTS)	Supersymmetric index of small black holes[Slides][Video][CC]
4:45pm Jonathan Sorce (MIT)	Comments on black hole entropy in Lorentz signature[Slides][Video][CC]
5:30pm	SHUTTLE TO BWSCI

Wednesday, Apr 3, 2024

9:00am Juan Maldacena (IAS)	Three point amplitudes + Soft theorems in the BFSS matrix model[Slides][Video][CC]
9:45am Chi Ming Chang (Tsinghua U)	Black Holes from Supercharge Cohomology[Slides][Video][CC]
10:30am	Morning Break
11:00am Hiroshi Ooguri (Caltech)	Universal Bounds on Distance Conjecture in AdS3/CFT2[Video][CC]
11:45am Sebastian Mizera (IAS)	String amplitudes: Dotted the i's and curling the epsilons[Slides][Video][CC]
12:30pm	Lunch Break
2:00pm Zohar Komargodski (SCGP)	Semi Classical Physics at Large Quantum Numbers[Video][CC]
2:45pm Manki Kim (CTP)	Theoretical challenges in string phenomenology[Video][CC]
3:30pm	Afternoon Break
4:00pm Tadashi Takayanagi (YITP)	Entropic g-theorem and Holography[Slides][Video][CC]
4:45pm Shai Chester (Imperial College)	Bootstrapping string theory[Slides][Video][CC]
5:30pm	RECEPTION
6:00pm	SPECIAL EVENTS DINNER
8:00pm	SHUTTLE TO BWSCI

Thursday, Apr 4, 2024

9:00am Jonathan Heckman (U Penn)	Symmetries Approach to Non-Supersymmetric String Backgrounds[Slides][Video][CC]
9:45am Veronika Hubeny (UC Davis)	The power of marginal independence[Slides][Video][CC]
10:30am	Morning Break
11:00am Micha Berkooz (Weizmann Inst.)	The double scaled SYK model: Quantum chaos and Non-commutative geometry[Slides][Video][CC]
11:45am Mukund Rangamani (UC Davis)	Superstring partition functions in AdS3[Slides][Video][CC]
12:30pm	Lunch Break
2:00pm Washington Taylor (MIT)	Beyond F-theory[Slides][Video][CC]
2:45pm Alejandra Castro (Cambridge)	The light we can see: Extracting black holes from weak Jacobi forms[Video][CC]
3:30pm	Afternoon Break
4:00pm Xi Dong (UCSB)	Type I von Neumann algebras from bulk path integrals: Understanding RT without AdS/CFT[Slides][Video][CC]
4:45pm Martin Schnabl (IAS)	Exploring 2D CFT's via String Field Theory[Video][CC]
5:30pm	RECEPTION
6:00pm	SPECIAL EVENTS DINNER
8:00pm	SHUTTLE TO BWSCI

Friday, Apr 5, 2024

9:00am Shu Heng Shao (Stony Brook)	Non-invertible symmetries for Qubits[Video]
9:45am Shreya Vardhan (Stanford)	Hydrodynamic pictures for entanglement growth[Video]
10:30am	Morning Break
11:00am Kasia Budzik (Perimeter Inst.)	B-model Twisted Holography[Slides][Video][CC]
11:45am Luca Iliesiu (UC Berkeley)	On the evaporation history of charged black holes[Video][CC]

12:30pm

Lunch Break

2:00pm Ricardo Schiappa (U Lisbon)

A Resurgence of Negativity in Large N Duality[Slides][Video][CC]

2:45pm Wei Li (ITP-CAS)

Progress on BPS algebras[Video][CC]

3:30pm **CONFERENCE END SHUTTLE TO BWSCI** *Also available to SB Airport and SB Airbus, Goleta location.(See Registration Desk BEFORE FRIDAY to sign up.)