

YITP Long Term Workshop

“New Frontiers in String Theory 2018”

Program for the 2nd Week (July 9-13)

[Mon] July 9

10:00-11:00 **Beni Yoshida** “TBA”

Short Break

11:30-12:30 **Krishnan Narayan** “TBA”

Lunch Break

14:00-14:20 **Yifan Wang** “TBA”

14:20-14:40 **Andreas Blommaert**

“Edge Dynamics from the Path Integral: Maxwell and Beyond”

14:40-15:00 **Thomas Gerd Mertens**

“The Schwarzian and black hole physics”

[Tue] July 10

11:30-12:30 **Shinji Hirano** “Airy function and 4d quantum gravity”

Lunch Break

14:00-15:00 **Micha Berkooz** “Chord diagrams, exact results in SYK-like models and bulk reconstruction”

[Wed] July 11

11:30-12:30 Heng-Yu Chen ``TBA''

Lunch Break

14:00-15:00 Sinya Aoki ``Holography from scalar field theories and a realization of AdS/CFT correspondence : proposal''

Short Break

15:30-16:30 Yasha Nieman ``Holography in the de Sitter causal patch''

[Thu] July 12

One-day conference [Refer to the final page]

[Fri] July 13

10:00-11:00 Masahiro Nozaki ``Operator entanglement and scrambling''

11:30-12:30 Pawel Caputa ``TBA''

Lunch Break

14:00-15:00 Tokiro Numasawa ``TBA''

Program of One-day Conference on Thu. [July 12]

10:00-10:20 Max Robert Riegler ``How General Is Holography?''

10:20-10:40 Franco Pezzella

``Generalized Geometry and Double Field Theory: Two Simple Models''

10:40-11:00 Parthapratim Pradharn

``Area products for \mathcal{H}^{\pm} in AdS space''

Short Break

11:30-11:50 Ali Imaanpur ``D-instantons in Klebanov-Witten model''

11:50-12:10 Matin Mojaza ``The unified soft behavior of the graviton, dilaton and B-field in any String Theory''

12:10-12:30 Einrico Rinaldi ``High-precision lattice simulations to tests the gauge/gravity duality in low dimensions''

Lunch Break

14:00-14:20 Junggi Yoon

``Supersymmetric SYK model with Global Symmetry''

14:20-14:40 Yong-Hui Qi ``SYK models from 2D gravity''

14:40-15:00 Mitsutoshi Fujita ``Effective Hopping in Holographic Bose and Fermi Hubbard Models''

Short Break

15:30-15:50 Arpan Bhattacharyya

``Entanglement of Purification in Free scalar field theory''

15:50-16:10 Hayato Hirai

``Towards Entanglement of Purification for Conformal Field Theories''