



## Third ERC (HoloBHC) - Solvay Workshop on Holography

VENUE: ULB, Campus de la Plaine, Brussels Building N.O. - 5th Floor - SOLVAY ROOM

### Program (May 22 - 25, 2018)

#### TUESDAY 22 MAY 2018

- 08:45 - 09:00 Registration
- 09:00 - 17:00** ***Holography, black holes & high spin***
- 09:00 - 10:00 Emil Martinec: *A Little String Theory of AdS3 Long String States*
- 10:00 - 10:30** **COFFEE BREAK (IN HALL ADJACENT TO THE SOLVAY ROOM)**
- 10:30 - 11:30 Jiang Long: *Conformal block expansion of mutual information*
- 11:30 - 12:30 Dionysios Anninos: *Comments on higher spin dS/CFT*
- 12:30 - 13:30** **LUNCH BREAK (IN HALL ADJACENT TO THE SOLVAY ROOM)**
- 13:30 - 14:30 Joris Raeymaekers: *Quantizing higher spin gravity in free-field variables*
- 14:30 - 15:30 Wei Song: *On complex SYK models and warped CFTs*
- 15:30 - 16:00** **COFFEE BREAK (IN HALL ADJACENT TO THE SOLVAY ROOM)**
- 16:00 - 17:00 Diego Hofman: *Generalized global symmetries: formal aspects and holography*

#### WEDNESDAY 23 MAY 2018

- 09:00 - 17:00** ***Top-down models of holography***
- 09:00 - 10:00 Dario Martelli: *AdS<sub>3</sub>/CFT<sub>2</sub> and F-theory*
- 10:00 - 10:30** **COFFEE BREAK (IN HALL ADJACENT TO THE SOLVAY ROOM)**
- 10:30 - 11:30 Alberto Zaffaroni: *AdS black hole entropy in diverse dimensions*
- 11:30 - 12:30 Michael Gutperle: *Type IIB duals of 5d SCFTs*
- 12:30 - 12:40** **GROUP PHOTO**
- 12:40 - 13:30** **LUNCH BREAK (IN HALL ADJACENT TO THE SOLVAY ROOM)**
- 13:30 - 14:30 Marco Baggio: *Decoding a conformal manifold*
- 14:30 - 15:30 Fridrik Gautason: *Holography for Super Yang-Mills Theories on Spheres*
- 15:30 - 16:00** **COFFEE BREAK (IN HALL ADJACENT TO THE SOLVAY ROOM)**

16:00 - 17:00 Fidel Schaposnik: *Phase Diagram of planar matrix quantum mechanics, tensor and SYK models*

18:40 Departure banquet (A bus will take you to the place of the banquet, from Parking Fraiteur - Access 2 at 18:40 sharp and will bring you back to the centre of Brussels).

**19:00** **BANQUET** (CHALET ROBINSON, Sentier de l'Embarcadère 1, Bois de la Cambre)

## THURSDAY 24 MAY 2018

**10:00 - 17:00** **Holography and entanglement**

10:00 - 11:00 Netta Engelhardt: *A New Framework for Holographic Area Laws*

**11:00 - 11:30** **COFFEE BREAK (IN HALL ADJACENT TO THE SOLVAY ROOM)**

11:30 - 12:30 Monica Guica: *JT-bar deformed CFTs and their holographic dual*

**12:30 - 13:30** **LUNCH BREAK (IN HALL ADJACENT TO THE SOLVAY ROOM)**

13:30 - 14:30 Mark Mezei: *Membrane theory of entanglement dynamics from holography*

14:30 - 15:30 Max Riegler: *Holography and Entanglement in 3D Flat Spacetime*

**15:30 - 16:00** **COFFEE BREAK (IN HALL ADJACENT TO THE SOLVAY ROOM)**

16:00 - 17:00 Javier Matulich: *Asymptotic dynamics of General Relativity on  $AdS_{3}$  reconsidered*

## FRIDAY 25 MAY 2018

**09:00 - 12:30** **Lower-dimensional holographic models**

09:00 - 10:00 Julian Sonner: *Thermalisation and Black Holes in Low-Dimensional AdS/CFT*

**10:00 - 10:30** **COFFEE BREAK (IN HALL ADJACENT TO THE SOLVAY ROOM)**

10:30 - 11:30 Gabor Sarosi: *Boundary dual of the bulk symplectic form*

11:30 - 12:30 Tatsuo Azeyanagi: *Warped Black Holes in Lower-Spin Gravity*

**12:30 - 13:30** **LUNCH BREAK - END OF CONFERENCE**