

Gauge/Gravity Duality 2015, GGI Florence Program

Monday, April 13

09:00 **Nabil Iqbal**, *Electric fields and quantum wormholes*

09:40 **Richard Davison**, *Transport in holographic systems with momentum dissipation*

10:50 **Leopoldo Pando Zayas**, *Disorder in AdS/CFT*

11:20 **Daniel Arean**, *Holographic Charged Impurities*

11:50 **Davide Forcella**, *Electromagnetic properties of charged viscous fluids: from string theory to electrons*

12:20 **Elias Kiritis**, *Holographic Conductivity: Insulators, Supersolids, and scaling*

14:20 **Nathan Seiberg**, *Generalized Global Symmetries*

15:00 **Matteo Bertolini**, *The Holographic Goldstino*

15:40 **Micha Berkooz**, *Rigid Holography and the 6D (2,0) CFT on $AdS_5 \times S^1$*

16:40 **Matti Jarvinen**, *Quark mass in backreacted holographic QCD*

17:10 **Pietro Colangelo**, *Nuclear shadowing in the holographic framework*

17:40 **Stanley Brodsky**, *Light-Front Holography and New Advances in Nonperturbative QCD*

Tuesday, April 14

09:00 **Shiraz Minwalla**, *TBA*

09:40 **Cristopher Herzog**, *Entanglement Entropy and Boundary Terms: Two Short Stories*

10:50 **Alberto Zaffaroni**, *Twisted index of 3d gauge theories*

11:20 **Kristan Jensen**, *A menagerie of non-relativistic physics*

11:50 **Silvia Penati**, *BPS Wilson loops and an exact result for the Bremsstrahlung function in ABJM model*

12:20 **Achilleas Passias**, *Supersymmetric AdS(5) solutions of massive type IIA supergravity*

- *Parallel Session A*

14:20 **Takaaki Ishii**, *Turbulent strings in AdS/CFT*

14:50 **Mike Blake**, *Holographic Charge Oscillations*

15:20 **Anton Faedo**, *Holographic three-dimensional YM with compressible matter*

16:20 **Niko Jokela**, *Universal properties of cold holographic matter*

16:50 **Dimitrios Zoakos**, *Flux and Hall states in Chern-Simons matter theories with flavor*

17:20 **Jelle Hartong**, *Schroedinger Symmetries, Newton-Cartan Geometry and Lifshitz Space-Times*

- *Parallel Session B*

14:20 **Guy de Teramond**, *Superconformal Quantum Mechanics and Emerging Holographic QCD*

14:50 **Alfonso Ballon-Bayona**, *Pion resonances in Holographic QCD*

15:20 **Michael Lublinsky**, *All order linearized hydrodynamics from fluid-gravity correspondence*

16:20 **Rene Meyer**, *Holographic Superconductors in Helical Backgrounds and Homes' Relation*

16:50 **Jie Ren**, *On Holographic Insulators and Supersolids*

17:20 **Dmitri Khveschenko**, *Analogue holographic correspondence in optical metamaterials*

Wednesday, April 15

09:00 **Charlotte Kristjansen**, *Holographic Quantum Hall Ferromagnetism*

09:40 **Dam Thanh Son**, *Is the composite fermion a Dirac particle?*

10:50 **Gianluca Grignani**, *Holographic graphene bilayers*

11:20 **Valentina Giangreco Puletti**, *Monopoles and magnetic oscillations in holographic liquids*

11:50 **Daniele Musso**, *Diffusion and incoherence*

12:20 **Umut Gursoy**, *Semiholography, conductivity and Ward identities*

- *Parallel Session A*

14:20 **Daniel Fernandez**, *Entanglement entropy associated to a far-from-equilibrium energy flow*

14:50 **Andrea Amoretti**, *Holographic magneto-transport and strange metals*

15:20 **Natalia Pinzani Fokeeva**, *Testing the membrane paradigm with holography*

16:20 **Yunseok Seo**, *Thermoelectric Conductivities at Finite Magnetic Field and the Nernst effect*

16:50 **Matteo Baggioli**, *Electron-Phonon interactions, MIT and Holographic Massive Gravity*

17:20 **Fabio Franchini**, *Spontaneous Breaking of $U(N)$ symmetry in invariant Matrix Models*

- *Parallel Session B*

14:20 **Roberto Auzzi**, *The local renormalization group equation in superspace*

14:50 **Eduardo Conde Pena**, *Looking for an on-shell regulator*

15:20 **Debajyoti Sarkar**, *Holographic Representation of Bulk Fields and Locality in $(A)dS$*

16:20 **Benjamin Assel**, *Fermi gas formulation for D -type quivers*

16:50 **Yegor Korovin**, *Scale vs. Conformal Invariance in Holography with Higher Derivative Corrections*

17:20 **Mario Flory**, *Entanglement entropy in a holographic model of the Kondo effect.*

Thursday, April 16

09:00 **Robert Myers**, *Quantum quenches & holography*

09:40 **Alice Bernamonti**, *Holographic entanglement entropy in excited states from 2d CFT*

10:50 **Ben Craps**, *Holographic thermalization and AdS instability*

11:20 **Amos Yarom**, *Black brane steady states*

11:50 **Masanori Hanada**, *Chaos in the matrix model, and formation and evaporation of a black hole*

12:20 **Andrei Parnachev**, *Holographic entanglement*

14:20 **Paul Romatschke**, *Simulations of BH Collisions in AdS5*

15:00 **Alex Buchel**, *Equilibration rates in a strongly coupled nonconformal quark-gluon plasma*

15:40 **Koenrad Schalm**, *A more realistic thermalization scenario in holography*

16:40 **Johanna Erdmenger**, *Holographic Kondo defects and universality in holographic superconductors with broken translation symmetry*

17:10 **Sang-Jin Sin**, *Holographic spin fluctuation and competition of two orders*

17:40 **Andrew O'Bannon**, *A Monotonicity Theorem for Two-dimensional Boundaries and Defects*

Friday, April 17

09:00 **Monica Guica**, *Behind the geon horizon*

09:40 **Vijay Balasubramanian**, *Entwinement and the emergence of spacetime*

10:50 **Niels Obers**, *Torsional Newton-Cartan geometry in Lifshitz holography and non-relativistic field theories*

11:20 **Marco Caldarelli**, *How far can we push the AdS/Ricci-flat correspondence?*

11:50 **Ioannis Papadimitriou**, *AdS black hole thermodynamics with scalar hair*

12:20 **Blaise Gouteraux**, *From strange metals to black holes and back: effective theories of thermoelectric transport*

14:20 **Marika Taylor**, *Entanglement and differential entropy for massive flavors*

15:00 **Jan de Boer**, *Effective actions for fluids from holography*

15:40 **Matthew Lippert**, *Position space analysis of the AdS (in)stability problem*

16:40 **Keun-Young Kim**, *A Simple Holographic Superconductor with Momentum Relaxation*

17:10 **Troels Harmark**, *Spin Matrix theory as a model for the AdS/CFT correspondence*

17:40 **Jacob Sonnenschein**, *Stringy hadrons*