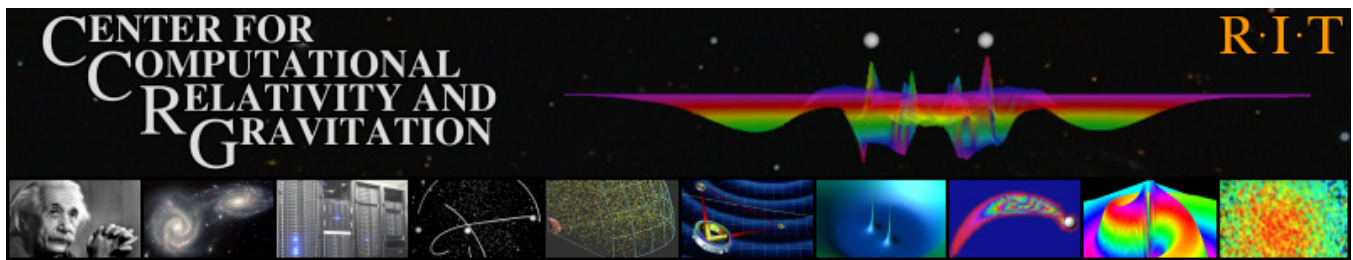


**Schedule Thursday, May 28<sup>th</sup>** (Innovation Center, CSI 87-1600) **[Talks: 12'+3']**

- **8:30-8:55 am:** Coffee Reception.
- **8:55-9:00 am:** *Welcoming remarks.*
- **9:00-9:15 am:** Thomas Baumgarte: *Numerical Relativity in Spherical Polar Coordinates*
- **9:15-9:30 am:** \*Ian Ruchlin: *Puncture Initial Data for Highly Spinning Black-Hole Binaries*
- **9:30-9:45 am:** Carlos Lousto: *Perturbative extraction of gravitational waveforms generated with Numerical Relativity*
- **9:45-10:00 am:** James Healy: *High Energy Collisions of Black Holes Numerically Revisited*
- **10:00-10:15 am:** Yosef Zlochower: *Numerical Simulation of Hybrid Black-Hole Binary initial Data*
- **10:15-10:30 am:** \*Adam Lewis: *Eccentric BBH simulations and their analysis*
- **10:30-10:45 am:** \*Francois Hebert: *Applying Discontinuous Galerkin Methods to Numerical Relativity*
- **10:45-11:00 am:** Joshua Faber: *Using spectral techniques to reduce datasizes in numerical relativity*
- **11:00-11:30 am:** Coffee Break.
- **11:30-11:45 am:** \*Andy Bohn: *What does a binary black hole merger look like?*
- **11:45-12:00 pm:** Ken Dennison: *Trumpet Slices in Kerr Spacetimes*
- **12:00-12:15 pm:** \*Brennan Ireland: *An Approximate Analytic Spinning Binary Black Hole Spacetime for GRMHD Simulations*
- **12:15-12:30 pm:** \*Karan Jani: *Learning from Generic Binary Black-Hole Simulations*
- **12:30-2:00 pm:** Lunch Break.
- **2:00-2:15 pm:** Richard O'Shaughnessy: *Efficient high-mass parameter estimation*
- **2:15-2:30 pm:** \*Heather Fong: *Error analysis of a new set of 90 aligned spin binary black hole simulations*
- **2:30-2:45 pm:** Prayush Kumar: *Accuracy of binary black hole waveforms for Advanced LIGO*
- **2:45-3:00 pm:** Scott Field: *Nonspinning numerical relativity waveform surrogates*
- **3:00-3:15 pm:** Steve Liebling: *Binary Neutron Star Mergers: Prospects for Multimessenger Observations*
- **3:15-3:30 pm:** \*Dennis Bowen: *Gas Dynamics during Black Hole Binary Inspiral: Resolving the Central Cavity and Mini-Disks*
- **3:30-3:45 pm:** \*Zachary Silberman: *The Vector Potential: Inverting the Curl*
- **3:45-4:00 pm:** Oded Papish: *Overpowering gravity by jets*
- **4:00-4:30 pm:** Tea Break.
- **4:30-4:45 pm:** Jeremy Schnittman: *The Distribution and Annihilation of Dark Matter Around Black Holes*
- **4:45-5:00 pm:** Sukanya Chakrabarti: *Using Gravity to Find the Darkest Galaxies*
- **5:00-5:15 pm:** Shouhong Wang: *A new blackhole theorem and its applications to cosmology and astrophysics*
- **5:15-5:30 pm:**
- **5:30 pm:** End Conference for the day.



**Schedule Friday, May 29<sup>th</sup>** (Innovation Center, CSI 87-1600) [Talks: 12'+3']

- **8:30-9:00 am:** Coffee Reception.
- **9:00-9:15 am:** Adam Helfer: *Asymptotic geometry and energy-momentum exchange between gravitational waves and matter*
- **9:15-9:30 am:** David Nichols: *Subleading gravitational-wave memory effects*
- **9:30-9:45 am:** Jeff Winicour: *Black Hole Initial Data Without Elliptic Equations*
- **9:45-10:00 am:** \*Alexander Grant: *Non-conservation of Carter in black hole spacetimes*
- **10:00-10:15 am:** Peter Taylor: *Static Self-Forces in Five Dimensions*
- **10:15-10:30 am:** \*Jordan Moxon: *Radiation-Reaction Force on a Small Charged Body to Second Order*
- **10:30-10:45 am:** \*Philippe Landry: *Tidal Deformation of an Irrotational Fluid Body*
- **10:45-11:00 am:** Barry Wardell: *Invariants for compact binaries on quasi-circular orbits*
- **11:00-11:30 am:** Coffee Break.
  
- **11:30-11:45 am:** Aaron Zimmerman: *Weakly damped quasinormal modes in Kerr-Newman*
- **11:45-12:00 pm:** Sharmanthie Fernando: *Black holes in massive gravity: quasinormal modes of scalar perturbations*
- **12:00-12:15 pm:** Leo Stein: *Hiding corrections to GR with topology (or: Why binary pulsars can't help, and we need gravitational waves)*
- **12:15-12:30 pm:** David Mattingly: *Some universal issues*
- **12:30-2:00 pm:** Lunch Break.
  
- **2:00-2:15 pm:** Munawar Karim: *Is gravity a quantum field? A proposed experiment*
- **2:15-2:30 pm:** \*Aruna Kesavan: *Asymptotics with a positive cosmological constant: Lessons from linearised gravity*
- **2:30-2:45 pm:** \*Beatrice Bonga: *The quadrupole formula with a positive cosmological constant*
- **2:45-3:00 pm:** Abhay Ashtekar: *Inclusion of a positive cosmological constant in gravitational field III: Full non-linear theory*
- **3:00-3:15 pm:** \*Richard Kriske: *Quantum Gravity may be the Dark Force*
- **3:15-3:30 pm:** Nelson Yokomizo: *Symplectic entanglement I: bosonic lattices*
- **3:30-3:45 pm:** \*Lucas Hackl: *Symplectic entanglement II: spin networks*
- **3:45-4:00 pm:** \*Dhruv Patel: *Classical and Quantum Evolution of 1+1D Universe*
- **4:00-4:30 pm:** Tea Break.
  
- **4:30-4:45 pm:** Brajesh Gupta: *Observational consequences from loop quantum cosmology*
- **4:45-5:00 pm:** Rachel Maitra: *Factor ordering and path integral measures in 2d quantum gravity and quantum cosmology*
- **5:00-5:15 pm:** Wayne R. Lundberg: *No Cosmological Coincidence!*
- **5:15-5:30 pm:** Award to best student presentation
- **5:30 pm:** End Conference for the day.

\* Student Presentation