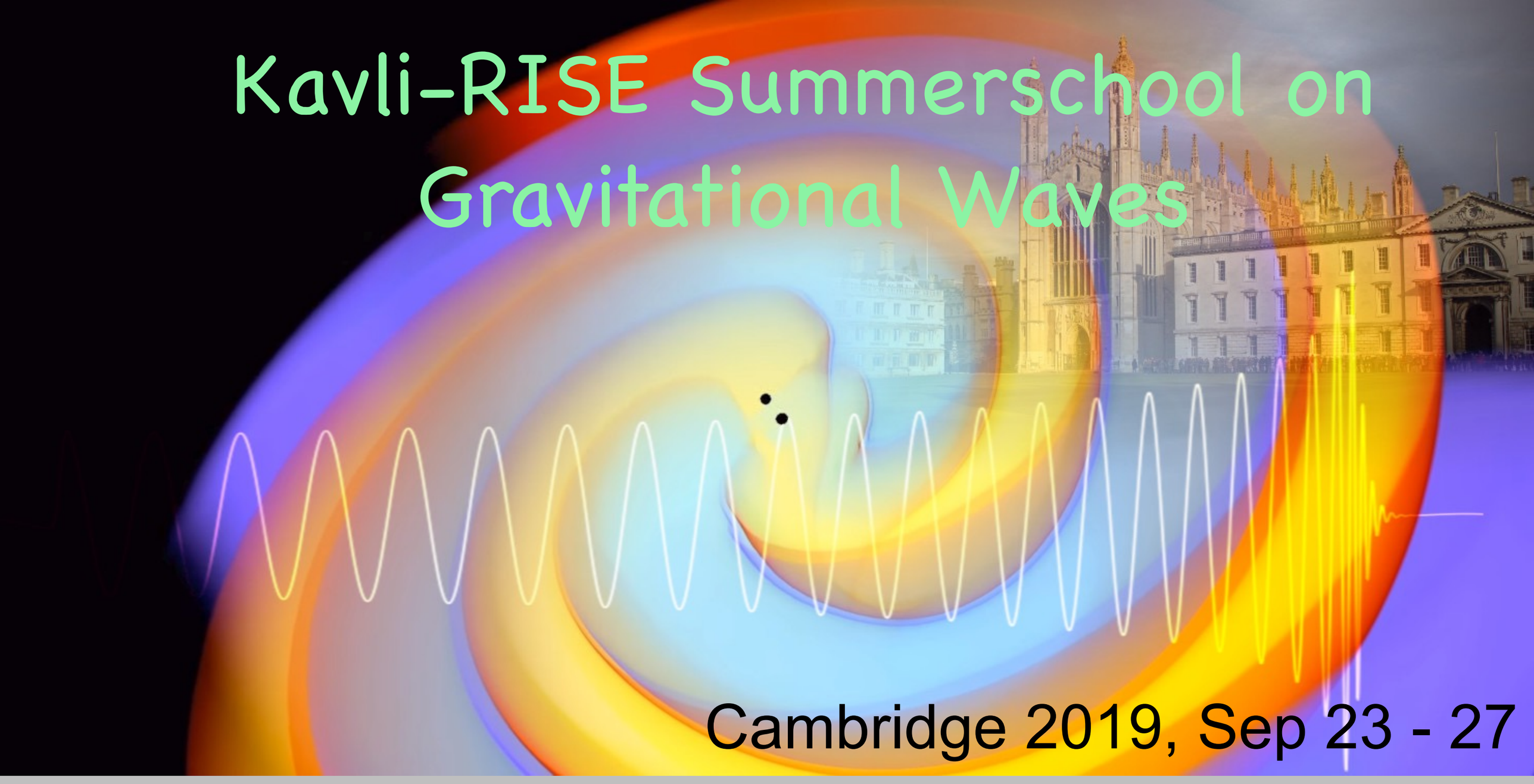
Kavli-RISE Summerschool on Gravitational Waves



Cambridge 2019, Sep 23 - 27

This summer school will introduce junior scientists with a background in general relativity to a wide range of topics at the foundation of the new research field of Gravitational Wave Astronomy.

- Black Holes and Neutron Stars
- Numerical Relativity
- Post-Newtonian Theory
- Testing General Relativity
- Electromagnetic Counterparts
- Cosmological Sources of Gravitational Waves
- Gravitational Wave Data Analysis
- LISA and Pulsar Timing Arrays
- Dark Matter Candidates
- Exotic Compact Objects
- Perturbation Theory
- Black Holes and Fundamental Fields

Lecturers

- Leor Barack (Southampton)
- Laura Bernard (Meudon)
- Vitor Cardoso (Lisbon)
- Daniel Figueroa (Valencia, Lausanne)
- Jonathan Gair (Edinburgh, AEI Potsdam)
- Carlos Herdeiro (Lisbon)
- David Hilditch (Lisbon)
- Matthew McCullough (CERN)
- Samaya Nissanke (Amsterdam)
- Carlos Palenzuela (Balearic Islands)
- Paolo Pani (Rome)
- Thomas Sotiriou (Nottingham)
- Chris Van Den Broeck (Nikhef)

Local Organizing Committee

- James Parke (Secretary)
- Michalis Agathos
- Robin Croft
- Amelia Drew
- Nathan Johnson-McDaniel
- Miren Radia
- Harvey Reall
- Ulrich Sperhake (Chair)

Kavli Institute for Cosmology Cambridge KICC

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