

Schedule for 2019 BHI Conference

Monday May 20th

Introductory remarks from Director Avi Loeb: 9:00 am to 9:10 am

Session 1: 9:10 am to 10:40 am: Chair: Mislav Balokovic
Q & A assistance: Brandon Curd

Chung-Pei Ma (Astronomy)

“Dynamical Mass Measurements of Supermassive Black Holes”

Daniel Kennefick (Philosophy)

“No Shadow of a Doubt: Eddington, Dyson and the Eclipse of 1919”

Maria Rodriguez (Physics)

“Does the black hole shadow probe the event horizon geometry?”

Coffee Break: 10:40 to 11:00 am

Session 2: 11:00 am to 12:30 pm: Chair: Hsin-Yu Chen
Q & A assistance: Brandon Curd

Priya Natarajan (Astronomy)

“Black Hole Archaeology: tracing the origin of early seed black holes”

Stefanos Aretakis (Math)

“Observational signatures for extremal black holes”

Michael Purrer (Astronomy)

“Binary Black Holes Observed by LIGO and Virgo during the First and Second Observing Runs”

Lunch: 12:30 pm to 2:00 pm

Session 3: 2:00 pm to 3:30 pm: Chair: Feraz Azhar
Q & A assistance: Ana-Maria Raclariu

Amy Reines (Astronomy)

“Local Relics of Supermassive Black Hole Seeds in Dwarf Galaxies”

Emanuele Berti (Astronomy)

“Physics and astrophysics with low-frequency gravitational waves from black hole binaries”

Dennis Lehmkuhl (Philosophy)

“The History and Interpretation of Event Horizons”

Coffee Break: 3:30 pm to 4:00 pm

Session 4: 4:00 pm to 5:30 pm: Chair: Laura Donnay
Q & A assistance: Monica Pate

Geoffrey Compère (Physics)

"Signatures of High Spin in Gravitational Waveforms"

Elena Giorgi (Math)

"Linear stability of Reissner-Nordström spacetime".

Luis Lehner (Physics)

"Challenges (and some answers) in the hunt for surprises in BH spacetimes"

Tuesday May 21

Session 5: 9:00 am to 10:30 am: Chair: Paul Chesler
Q & A assistance: Ana-Maria Raclariu

Frans Pretorius (Physics)

"Testing General Relativity with Black Hole Mergers"

James Weatherall (Philosophy)

"Where Does General Relativity Break Down?"

Svetlana Jorstad (Astronomy)

"Kinematics of Parsec-Scale Jets of Gamma-ray Blazars"

Coffee Break: 10:30 am to 11:00 am

EHT Introduction: Opening Remarks from Shep Doeleman: 11:00-11:05

Session 6: 11:05 am to 12:35 pm: Chair: Dominic Pesce
Q & A assistance: Daniel Palumbo

Geoff Bower

"Millimeter Wavelength Very Long Baseline Interferometry"

Jonathan Weintraub

"The EHT Array and Wideband Instrumentation"

Maciek Wielgus

"EHT data set reduction and calibration"

Andrew Chael

"Reconstructing an image of M87 from EHT data"

Lunch: 12:40 pm to 2:00 pm

Session 7: 2:10 pm to 3:30 pm: Chair: Michael Johnson
Q & A assistance: Daniel Palumbo

Monika Mościbrodzka

"EHT first results: physical origin of the asymmetric ring"

Dom Pesce

"EHT first results: geometric modeling of the emission structure"

Avery Broderick

"EHT first results: Confronting GRMHD simulations with data"

Kazunori Akiyama

"EHT first results: the Mass of the Black Hole and Future Prospects"

Coffee Break: 3:30 pm to 4:00 pm

EHT Panel Discussion: 4:00 pm to 5:00 pm: Chair: Peter Galison

Shep Doeleman, Lindy Blackburn, Michael Johnson, Katie Bouman, Monika Moscibrodzka,
Ramesh Narayan

Conference Banquet Dinner: 6:00 pm to 9:00 pm

Passed Hors D'oeuvres, beer, wine and soft drinks

Dinner commences at 6:45

Film: Philosophy of a Shadow

Announcement of Essay winners

Special Presentation

KeyNote talk: Jean-Pierre Luminet

"Early years of Black Hole Imaging - Personal Recollections"

Wednesday May 22

Session 8: 9:00 am to 10:30 am: Chair: Maciek Wielgus
Q & A assistance: Sara Issaoun

Vitor Cardoso (Physics)

"Dark, massive and compact: quantifying the evidence for black holes"

David Wallace (Philosophy)

"Firewalls and Decoherent Histories"

Pengzi Miao (Math)

"Black hole contribution to quasi-local mass"

Coffee Break 10:30 am to 11:00 am

Session 9: 11:00 am to 12:30 pm: Chair: Jordan Keller

Q & A assistance: Monica Pate

Shahar Hadar (Physics)

"Near-extremal Black Holes at late times, backreacted"

Patricia Palacios (Philosophy)

"On the universality of Hawking radiation"

Georgios Moschidis (Math)

"The instability of AdS spacetime via beam interactions in spherical symmetry"

Closing Remarks by Director Avi Loeb 12:30 pm - 12:40 pm