

Schedule for 2019 BHI Conference

Monday May 20th

Welcome from Director Avi Loeb

Introductory Remarks: 9:00 am to 9:10 am

Session 1: 9:10 am to 10:40 am

Chair: Mislav Balokovic

Chung-Pei Ma (Astronomy)

Daniel Kennefick (Philosophy)

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

Maria Rodriguez (Physics)

Coffee Break: 10:40 to 11:00 am

Session 2: 11:00 am to 12:30 pm

Chair: Hsin-Yu Chen

Priya Natarajan (Astronomy)

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

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)

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

Session 4: 4:00 pm to 5:30 pm

Chair: Laura Donnay

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

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

Geoff Bower

Jonathan Weintraub

"The EHT Array and Wideband Instrumentation"

Maciek Wielgus

"EHT data set reduction and calibration"

Andrew Chael

Lunch: 12:40 pm to 2:00 pm

Session 7: 2:10 pm to 3:30 pm

Chair: Michael Johnson

Monika Mościbrodzka

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

Dom Pesce

Avery Broderick

Kazunori Akiyama

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

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

Shahar Hadar (Physics)

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