May 18th, 2022

9:00 am to 9:10 am
Opening Remarks by Peter Galison, Director of the BHI

SESSION 1 - Chair: Fabio Pacucci
Prioramvada Natarajan (Astronomy)
“The Edge of What We Know About Black Holes & Their Cosmic Context”

Marcus Khuri (Mathematics)
“The topology of black holes and the universe”
Feraz Azhar (Philosophy)
“Spacetime singularities and a novel formulation of indeterminism”

9:10 am to 10:40 am
Coffee Break

Amy Reines (Astronomy)
“Dwarf Galaxies and the Smallest Supermassive Black Holes”

Tom Hartman (Physics)
“Euclidean Wormholes”

Andras Vasy (Mathematics)
“Waves on black hole backgrounds and the stability problem”

10:40 am to 11:00 am

11:00 am to 12:30 pm
Lunch Break

SESSION 2 - Chair: Max Zimet
Alexander Tchekhovskoy (Astronomy)
“Simulating black hole feasts and burps”

Marcelo Disconzi (Mathematics)
“General-relativistic viscous fluids”

Lydia Patton (Philosophy)
“Search Parameters and Post-Data Parameters”

12:30 pm to 2:00 pm
Coffee Break
Vikram Ravi (Astronomy)
“How do black holes earn their living?”
Scott Collier (Physics)
“Supergravity as SL(2,Z)-averaged strings from S-duality in N=4 SYM”
Dennis Lehmkuhl (Philosophy)
“The Petrov-Pirani-Penrose classification of vacuum spacetimes and its role in the renaissance of general relativity”
May 19th, 2022

SESSION 3 – Chair: Achilleas Porfyriadis

Manuela Campanelli (Astronomy)
“Bringing Supermassive Black Hole Mergers to Light”

Spyros Alexakis (Mathematics)
“Squeezing a fixed amount of gravitational energy to arbitrarily small scales”

Monica Guica (Physics)
“Towards non-AdS holography via solvable irrelevant deformations”

9:00 am to 10:30 am

Coffee Break

Alex Lupsasca (Astronomy)
“The Black Hole Photon Ring: Theory and Observation”

Jeroen van Dongen (Philosophy)
“Albert Einstein and the Black Hole”

Maxime van de Moortel (Mathematics)
“Across the horizon and beyond: the interior of dynamical black holes”

10:30 am to 11:00 am

EHT RESULTS – Chair: Ramesh Narayan

Geoff Bower, Joey Neilsen, Yutaro Kofuji, Paul Tiede, Koushik Chatterjee, Lia Medeiros

2:00 pm to 3:15 pm

EHT Panel Discussion

3:15 pm to 3:45 pm

Coffee Break

Next generation EHT – Chair: Lindy Blackburn

Shep Doeleman, Freek Roelofs, Angelo Ricarte, Daniel Palumbo, Sera Markoff

4:15 pm to 5:30 pm

CONFERENCE BANQUET

6:30 pm to 9:30 pm

Keynote Speaker: Janna Levin
“Black Hole Survival Guide”
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<th>Time</th>
<th>Session</th>
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<td>9:00 am to 10:30 am</td>
<td>SESSION 4 - Chair: Razieh Emami</td>
<td>Hong Liu (Physics)</td>
<td>“Emergent times in holography”</td>
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<td>Coffee Break</td>
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<td>11:00 am to 12:30 pm</td>
<td>Maciek Wielgus (Astronomy)</td>
<td>Pei-Ken Hung (Mathematics)</td>
<td>“Toroidal positive mass theorem”</td>
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<td>David Wallace (Philosophy)</td>
<td>“Descriptive Black Hole Complementarity”</td>
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<td>2:00 pm to 3:30 pm</td>
<td>SESSION 5 - Chair: Jamee Elder</td>
<td>Katie Robertson (Philosophy)</td>
<td>“Black hole entropy: a crisis of identity”</td>
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<td>Georgios Moschidis (Mathematics)</td>
<td>Joshua Eisenthal (Philosophy)</td>
<td>“The instability of Anti-de Sitter spacetime for the Einstein-scalar field system”</td>
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<td>“Back to the Problem of Space”</td>
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<td>3:30 pm to 3:45 pm</td>
<td>Closing Remarks by Peter Galison, Director of the BHI</td>
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