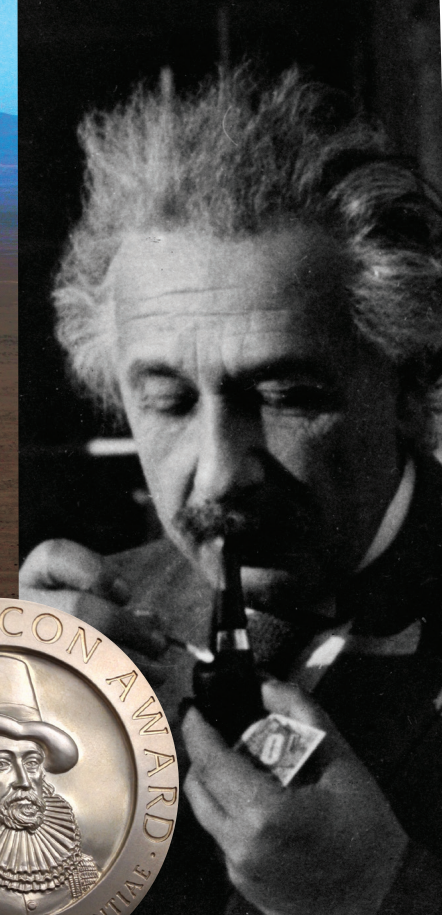


GENERAL RELATIVITY AT ONE HUNDRED:

THE 6TH BIENNIAL BACON CONFERENCE

March 10–12, 2016 // Pasadena, CA

This conference, organized by Caltech's Division of the Humanities and Social Sciences and Division of Physics, Mathematics and Astronomy with the Research Division of The Huntington Library, Art Collections, and Botanical Gardens, is made possible by the generous financial support of the Francis Bacon Foundation, Caltech's Walter Burke Institute for Theoretical Physics, and The Huntington.



THURSDAY, MARCH 10

BAXTER LECTURE HALL, CALTECH

4 PM

Bacon Award Public Lecture

Chair: Jed Z. Buchwald, Doris and Henry Dreyfuss Professor of History, Caltech

"The Genesis and Transformations of General Relativity"
Jürgen Renn, Director, Max Planck Institute for the History of Science

6:30 PM

Cocktails, East Patio, Athenaeum
Conference speakers and invited guests

7 PM

Bacon Award Dinner, Hall of Associates, Athenaeum
Conference speakers and invited guests

Remarks: Jean-Laurent Rosenthal, Rea A. and Lela G. Axline Professor of Business Economics and Chair of the Division of the Humanities and Social Sciences; Jed Z. Buchwald, Doris and Henry Dreyfuss Professor of History, Caltech

FRIDAY, MARCH 11

STEVEN S. KOBLIK EDUCATION AND VISITOR CENTER, THE HUNTINGTON

9:30 AM

Coffee

10 AM - 12 PM

Morning Session, Rothenberg Hall

Welcome: Steve Hindle, W.M. Keck Foundation Director of Research, The Huntington Library, Art Collections, and Botanical Gardens

Chair: Hirosi Ooguri, Fred Kavli Professor of Theoretical Physics and Mathematics; Director of the Walter Burke Institute for Theoretical Physics, Caltech

"The Quest for Gravitational Waves"
Barry Barish, Ronald and Maxine Linde Professor of Physics, Emeritus, Caltech

"The Search for Gravitational Waves: Sociological and Philosophical Investigations"
Harry Collins, Professor, School of Social Sciences, Cardiff University

12 - 2 PM

Lunch, Stewart R. Smith Board Room and Courtyard

Tour, Dibner Science Exhibit

Conference speakers and invited guests

100
YEARS
from prediction to
DISCOVERY

2 - 4 PM

Afternoon Session, Rothenberg Hall

Chair: Jürgen Renn, Director, Max Planck Institute for the History of Science

“Was Einstein Right? A Centennial Assessment”

Clifford Will, Distinguished Professor of Physics, University of Florida

“Einstein & Caltech”

Diana K. Buchwald, Professor of History, Caltech

4 - 4:30 PM

Coffee

4:30 - 5:30 PM

“Unifying GR with Quantum Theory”

John H. Schwarz, Harold Brown Professor of Theoretical Physics, Emeritus, Caltech

5:30 - 7:30 PM

Cocktails and Dinner, Stewart R. Smith Board Room and Courtyard

Conference speakers and invited guests

7:30 PM

GR 100 Public Lecture, Rothenberg Hall

Welcome: Steve Hindle, W.M. Keck Foundation Director of Research, The Huntington Library, Art Collections, and Botanical Gardens

Chair: Fiona Harrison, Benjamin M. Rosen Professor of Physics; Kent and Joyce Kresa Leadership Chair, Division of Physics, Mathematics and Astronomy, Caltech

“100 Years of Relativity: From the Big Bang to Black Holes and Gravitational Waves”

Kip Thorne, Richard P. Feynman Professor of Theoretical Physics, Emeritus, Caltech

SATURDAY, MARCH 12

CAHILL CENTER FOR ASTRONOMY
AND ASTROPHYSICS, CALTECH

9 AM

Coffee

9:30 AM - 12:30 PM

Morning Session, Hameetman Auditorium

Welcome: Hiroshi Ooguri, Fred Kavli Professor of Theoretical Physics and Mathematics; Director of the Walter Burke Institute for Theoretical Physics, Caltech

Chair: Harry Collins, Professor, School of Social Sciences, Cardiff University

“Searching for a Cosmological Background of Gravitational Waves”

Jamie Bock, Professor of Physics, Caltech; Jet Propulsion Laboratory Senior Research Scientist

“History of Gravitational Wave Emission”

Daniel Kennefick, Associate Professor of Physics, University of Arkansas

“Gravitational Waves: A New Tool for Observing the Cosmos”

Alessandra Buonanno, Director, Max Planck Institute for Gravitational Physics

12:30 - 1:30 PM

Lunch, Hameetman Auditorium Patio

Conference speakers and invited guests

1:30 - 4 PM

Afternoon Session, Hameetman Auditorium

Chair: Barry Barish, Ronald and Maxine Linde Professor of Physics, Emeritus, Caltech

“How General Relativity Shaped

Twentieth-Century Philosophy of Science”

Don Howard, Reilly Fellow, John J. Reilly Center for Science, Technology, and Values, University of Notre Dame

“Quantum Information and Spacetime”

John Preskill, Richard P. Feynman Professor of Theoretical Physics, Caltech

Wrap-Up Discussion

Chair: Diana K. Buchwald, Professor of History, Caltech

Reception Follows

