Space-Time Theories: Historical and Philosophical Contexts
Monday-Thursday, January 5-8, 2015, in Jerusalem

Monday January 5, 2015
At the Van Leer Jerusalem Institute

Morning Session: Einstein Studies
10:00—13:00

Diana Kormos-Buchwald, Einstein Papers Project, Caltech
News from the Editorial Desk of the Collected Papers of Albert Einstein

Hanoch Gutfreund, the Hebrew University of Jerusalem
The Story of Einstein’s ‘Popular Booklet’ and the Reception of Relativity

Coffee Break 11:30—12:00

Jurgen Renn (with Michel Janssen), the Max Planck Institute for the History of Science, Berlin
Einstein’s 1913 Vienna Lecture: Modeling Gravitational theory on Electrodynamics

Lunch Break 13:00—14:00

Afternoon Session: Einstein and his Methodology
14:00—17:30

Jeroen van Dongen University of Amsterdam/Utrecht University
A Virtuous Theorist’s Theoretical Virtues: Einstein on Physics vs. Mathematics and Experience vs. Unification

Robert Disalle, University of Western Ontario
Geometry, Experience, and General Relativity: On the Ineffective Reasonableness of Mathematics

Coffee Break 16:00—16:30

Dennis Lehmkuhl, IZWT, University of Wuppertal, and Einstein Papers Project, Caltech
Einstein, Cartan, Weyl, Jordan: The Neighborhood of General Relativity in the Space of Spacetime Theories

Bergmann Centenary 17:30—18:30
Donald C. Salisbury, Austin College Texas and the Max Planck Institute for the History of Science, Berlin
Peter G. Bergmann (1915 – 2002): A World Point Who will Never Fade

19:00 -- Welcome Dinner at Yemima’s
Tuesday January 6, 2015
At the Van Leer Jerusalem Institute

Morning Session: The Renaissance of General Relativity
9:00—11:00

Roberto Lalli, The Max Planck Institute for the History of Science, Berlin
Building the Relativity Community in Post-World War II Era: The Role of Communication Channels and Stabilization Processes in the Renaissance of General Relativity

Alexander Blum, the Max Planck Institute for the History of Science, Berlin
The Schism - The Origins of Canonical and Covariant Quantum Gravity

Coffee Break 11:00—11:30

Dean Rickles, Sydney University
Institute of Field Physics, Inc: Private Patronage and the Renaissance of Gravitational Physics

Daniel Kennefick, University of Arkansas and the Einstein Papers Project, Caltech
The Construction of the Asymptotic Structure of Spacetime

Lunch Break 13:30—15:00

Afternoon Session: Time
15:00—18:30

Lee Smolin, Perimeter Institute (Video)
Time and Law in a Cosmological Context

Yuval Dolev, Bar-Ilan University
Can Physics End Time?

Coffee Break 17:00—17:30

Meir Hemmo, Haifa University, and Orly Shenker, the Hebrew University of Jerusalem
Macroscopic and Microscopic Arrows of Time

Wednesday, January 7, 2015
Joint day with the Jerusalem Winter School in Theoretical Physics

At the Edmond J. Safra Campus, the Hebrew University of Jerusalem

Morning Session:
9:30—13:00
TBA

Afternoon Session:
15:00—18:00

Leo Corry, Tel-Aviv University
Einstein Meets Hilbert on the Way to General Relativity: Who Arrives First?

Jürgen Renn (with Alexander Blum) the Max Planck Institute for the History of Science, Berlin
The Renaissance of General Relativity - A New Reading

Coffee Break 17:00—17:30

17:30—18:30
Exhibit: selected documents from the Einstein Archive
With Hanoch Gutfreund, the Hebrew University of Jerusalem
Thursday, January 8, 2015
At the Van Leer Jerusalem Institute

Morning Session: Quantum Gravity
9:30—13:00

Kip Thorne, Caltech
TBA

Carlo Rovelli, Aix-Marseille University
Quantum Spacetime

Coffee Break 11:30—12:00

Gordon Belot, University of Michigan
A Philosophical Tour of de Sitter Spacetime

Lunch Break 13:00—14:30

Afternoon Session: Quantum Mechanics and Spacetime
14:30—16:30

Daniel Rohrlich, Ben-Gurion University of the Negev
Retrocausality as an Axiom

Yemima Ben-Menahem, the Hebrew University of Jerusalem
Spacetime and Nonlocality: Revisiting the Epistemic Interpretation of QM

Coffee Break 16:30—17:00

17:00—18:00
Concluding Perspectives
Gabriel Motzkin, the Van Leer Jerusalem Institute
Can There Be a New Metaphysics of Spacetime?

18:30 -- Farewell Dinner

Friday January 9, 2015
Tour of Jerusalem 8:30—14:00

Tour of Jerusalem 8:30—14:00