



GRAVITY RESEARCH FOUNDATION

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Roger W. Babson
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The trustees are pleased to announce the Awards for Essays for 2016.

1. \$4,000 - **A Frame-Dependent Gravitational Effective Action Mimics a Cosmological Constant, but Modifies the Black Hole Horizon** by Stephen L. Adler, Institute for Advanced Study, Einstein Drive, Princeton, NJ 08540; e-mail: adler@ias.edu
2. \$1,250 - **New Insights into Quantum Gravity from Gauge/Gravity Duality** by Netta Engelhardt and Gary T. Horowitz, Department of Physics, University of California, Santa Barbara, CA 93106; e-mail: engeln@physics.ucsb.edu, gary@physics.ucsb.edu
3. \$1,000 - **Spontaneous Dimensional Reduction in Quantum Gravity** by S. Carlip, Department of Physics, University of California, Davis, CA 95616; e-mail: carlip@physics.ucdavis.edu
4. \$750 - **Quadratic Gravity: from Weak to Strong** by Bob Holdom and Jing Ren, Department of Physics, University of Toronto, Toronto, Ontario, Canada M5S1A7; e-mail: bob.holdom@utoronto.ca, jren@physics.utoronto.ca
5. \$500 - **Axion Experiments to Algebraic Geometry — Testing Quantum Gravity via the Weak Gravity Conjecture** by Ben Heidenreich, Matthew Reece, and Tom Rudelius, Department of Physics, Harvard University, Jefferson Laboratory, 17 Oxford St., Cambridge, MA, 02138; e-mail: bjheiden@physics.harvard.edu, mreece@physics.harvard.edu, rudelius@physics.harvard.edu

Selected for Honorable Mention this year were (listed in alphabetical order): Ahmed Farag Ali and Saurya Das; Shreya Banerjee, Sayantani Bera, and Tejinder P. Singh; David Berenstein and Alexandra Miller; Evan Berkowitz, Masanori Hanada, and Jonathan Maltz; Matthias Blau and Martin O'Loughlin; Martin Bojowald; Yuri Bonder; Sumanta Chakraborty and Kinjalk Lochan; Lay Nam Chang, Djordje Minic, Chen Sun, and Tatsu Takeuchi; Alessandro Codello and Rajeev Kumar Jain; Geoffrey Compère; F. I. Cooperstock; Roberto Emparan and Marina Martínez; Willy Fischler and Sandipan Kundu; Steven B. Giddings; Eduardo Guendelman, Emil Nissimov, and Svetlana Pacheva; Hal M. Haggard and Carlo Rovelli; Shahar Hod; A. Landry and M. B. Paranjape; Philip D. Mannheim; Samir D. Mathur; T. Padmanabhan and Hamsa Padmanabhan; Don N. Page; Susha L. Parameswaran and Ivonne Zavala; Tsvi Piran; M. M. Sheikh-Jabbari; Douglas Singleton and Steve Wilburn; W. M. Stuckey, Timothy McDevitt, and Michael Silberstein; Tanmay Vachaspati.

This announcement and abstracts of award-winning and honorable mention essays will be posted when ready on our web site, <http://www.gravityresearchfoundation.org>. The five award-winning essays will be published in a special issue of the International Journal of Modern Physics D (IJMPD). They will also be posted at a later date on our web site.