

GRAVITY RESEARCH FOUNDATION PO BOX 81389 WELLESLEY HILLS MA 02481-0004 USA

Roger W. Babson FOUNDER

George M. Rideout, Jr. The trustees are pleased to announce the Awards for Essays for 2005. President

- 1. \$3,500 The String Coupling Accelerates the Expansion of the Universe by John Ellis*, Nikolaos E. Mavromatos⁺, and Dimitri V. Nanopoulos"; *TH Division, Physics Department, CERN, CH-1211 Geneva 23, Switzerland; ⁺Theoretical Physics, Physics Department, King's College London, Strand WC2R 2LS, UK; "George P. and Cynthia W. Mitchell Institute for Fundamental Physics, Texas A&M University, College Station, TX 77843, Astroparticle Physics Group, (HARC), Mitchell Campus, Woodlands, TX 77381, Academy of Athens, Division of Natural Sciences, 28 Panepistimiou Avenue, Athens 10679, Greece.
- 2. \$1,000 Does Inflation Provide Natural Initial Conditions for the Universe? by Sean M. Carroll and Jennifer Chen, Enrico Fermi Institute, Department of Physics, and Kavli Institute for Cosmological Physics, University of Chicago, 5640 S. Ellis Avenue, Chicago, IL 60637.
- \$750 Gravity from Local Lorentz Violation by V. Alan Kostelecký* and Robertus Potting⁺, *Physics Department, Indiana 3. University, Bloomington, IN 47405; ⁺CENTRA, Physics Department, FCT, Universidade do Algarve, 8000 Faro, Portugal.
- \$500 Gravity-Wave Detectors as Probes of Extra Dimensions by Chris Clarkson and Roy Maartens, Institute of Cosmology and 4. Gravitation, University of Portsmouth, Portsmouth POI 2EG, UK.
- \$250 Classical and Quantum General Relativity: A New Paradigm by Rodolfo Gambini* and Jorge Pullin*, *Instituto de Física, 5. Facultad de Ciencias, Iguá 4225, esq. Mataojo, Montevideo, Uruguay; *Department of Physics and Astronomy, Louisiana State University, Baton Rouge, LA 70803-4001.

Selected for Honorable Mention this year were (listed in alphabetical order) D.V. Ahluwalia-Khalilova; Giovanni Amelino-Camelia; Vijay Balasubramanian, Vishnu Jejjala, and Joan Simón; Mihai Bondarescu; Xavier Calmet, Michael Graesser, and Stephen D.H. Hsu; Saulo Carneiro; F.I. Cooperstock; F. de Felice; Cédric Deffayet; Alessandro Fabbri and José Navarro-Salas; G.W. Gibbons, H. Lü, Don N. Page, and C.N. Pope; Yuan K. Ha; Veronika E. Hubeny, Mukund Rangamani, and Simon F. Ross; Viqar Husain and Oliver Winkler; Mark G. Jackson; David W. Kraft; Jnanadeva Maharana; M.D. Maia; Hrvoje Nikolić; T. Padmanabhan; Fabrizio Pinto; Sanjeev S. Seahra; M. P. Silverman; C. Sivaram; Dejan Stojkovic, Glenn D. Starkman, and Fred C. Adams, John Swain; Daniel R. Terno; Paul S. Wesson; G.Z. Xie and Hong-Tao Liu; Winfried Zimdahl.

Abstracts of all the Award-Winning essays as well as those selected for Honorable Mention are available upon request for \$10.00. Reprints of the First Award Essay for 2005 are available for \$10.00. A collection of all First Essays since 1949 is available for \$100.00. Abstracts of selected essays (about 25 per year since 1960) are available for \$100.00. If interested, fill out the form and send to the Gravity Research Foundation.

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