



## GRAVITY RESEARCH FOUNDATION

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President

**The trustees are pleased to announce the Awards for Essays for 2008.**

1. \$5,000 - **Gravity: The Inside Story** by T. Padmanabhan, IUCAA, Post Bag 4, Ganeshkhind, Pune 411 007, India; e-mail: [paddy@iucaa.ernet.in](mailto:paddy@iucaa.ernet.in).
2. \$1,500 - **Noncommutative Gravity, a “No Strings Attached” Quantum-Classical Duality, and the Cosmological Constant Puzzle** by T.P. Singh, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, India; e-mail: [tpsingh@tifr.res.in](mailto:tpsingh@tifr.res.in).
3. \$1,000 - **On the Physical Interpretation of Asymptotically Flat Gravitational Fields** by Carlos Kozameh<sup>1</sup>, Ezra T. Newman<sup>2</sup>, and Gilberto Silva-Ortigoza<sup>3</sup>, <sup>1</sup>FaMaF, University of Cordoba, Cordoba, Argentina; <sup>2</sup>Department of Physics and Astronomy, University of Pittsburgh, Pittsburgh, PA 15260; <sup>3</sup>Facultad de Ciencias Físico Matemáticas de la Universidad Autónoma de Puebla, Apartado Postal 1152, 72001, Puebla, Pue., México; e-mail: [kozameh@famaf.unc.edu.ar](mailto:kozameh@famaf.unc.edu.ar), [newman@pitt.edu](mailto:newman@pitt.edu), [gsilva@fcfm.buap.mx](mailto:gsilva@fcfm.buap.mx).
4. \$750 - **Quantum Field Theory in Curved Spacetime, the Operator Product Expansion, and Dark Energy** by Stefan Hollands<sup>1</sup> and Robert M. Wald<sup>2</sup>, <sup>1</sup>School of Mathematics, Cardiff University, Cardiff, Wales, CF10 3XQ, UK; <sup>2</sup>Enrico Fermi Institute and Department of Physics, University of Chicago, Chicago, IL 60637; e-mail: [HollandsS@Cardiff.ac.uk](mailto:HollandsS@Cardiff.ac.uk), [rmwa@uchicago.edu](mailto:rmwa@uchicago.edu).
5. \$500 - **The Delocalized Effective Degrees of Freedom of a Black Hole at Low Frequencies** by Barak Kol, Racah Institute of Physics, Hebrew University, Jerusalem, 91904, Israel; e-mail: [barak.kol@phys.huji.ac.il](mailto:barak.kol@phys.huji.ac.il).

Selected for Honorable Mention this year were (listed in alphabetical order) Emil T. Akhmedov, Terry Pilling, and Douglas Singleton; R. Aldrovandi and J.G. Pereira; J. Ambjørn, J. Jurkiewicz, and R. Loll; Rabin Banerjee; T. Banks; John D. Barrow and Christos G. Tsagas; Tirthabir Biswas; R. Brout; H.P. de Oliveira, I. Damião Soares, and E.V. Tonini; Rodolfo Gambini and Jorge Pullin; M. Gasperini; Steven S. Gubser; Song He and Hongbao Zhang; L. Herrera; Veronika E. Hubeny, Shiraz Minwalla, Mukund Rangamani, and Mark Van Raamsdonk; Michael Kavic, Djordje Minic, and John Simonetti; Ali Kaya; Kirill Krasnov and Yuri Shtanov; Lawrence M. Krauss, James Dent, and Glenn D. Starkman; G. Lessner; Tsvi Piran and Nir J. Shaviv; Syksy Räsänen; C. Sivaram; John Swain; David J. Toms; C.S. Unnikrishnan and G.T. Gillies; P.S. Wesson, B. Mashhoon, and J.M. Overduin.

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 the Journal of General Relativity and Gravitation (GRG) and subsequently, 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.