

Bryan E. Penprase, PhD

Dean at Soka University

Aliso Viejo, CA, US

Professor Penprase is Dean of Faculty and Professor of Science.

Biography

Dr. Penprase received both a BS in Physics and an MS in Applied Physics from Stanford University and a PhD from the University of Chicago in Astronomy and Astrophysics. Dr. Penprase served as an American Council on Education (ACE) Fellow at Yale University, where he was one of the authors of the blueprint for the Yale-NUS College Curriculum and was the founding Director for the Centre for Teaching and Learning.

Dr. Penprase is the author of "The Power of Stars – How Celestial Observations Have Shaped Civilization," published by Springer, Inc., and has authored or co-authored over 50 peer-reviewed articles, in the Astrophysical Journal, Astronomical Journal, and in Nature and Science. He has served on numerous NSF and NASA review panels, including the Hubble Space Telescope Time Allocation Committee and the NASA/Keck Time Allocation Committee. His most recent research program is a collaboration with Caltech to develop the Zwicky Transient Facility (ZTF) and a Global Relay of Observatories known as GROWTH for studying gamma ray bursts, new supernovae, and the electromagnetic counterparts of gravitational wave sources.

Dr. Penprase is finishing a book entitled "The New Age of STEM Teaching and Learning," which is under contract with Stylus Publishing, and which should appear in 2018.

Industry Expertise

Research

Areas of Expertise

Type Ia Supernovae, Cultural Astronomy, Liberal Arts and Higher Education in Asia, Astronomy, Astrophysics, Observational Astrophysics, Archaeoastronomy, Quasar Absorption Line Spectroscopy

Affiliations

Chair of Higher Education Working Group, NASA California Space Grant Consortium, 2009-2011, Mentor, Project Kaleidoscope Faculty 21 Network for Science Education Reform, 2007-2010, American Astronomical Society, full member since 1992, NASA California Space Grant Affiliate representative – 1994-2011, American Council on Education Fellow - 2012-2013

Education

University of Chicago

Ph.D. Astronomy and Astrophysics

Stanford University
M.S. Applied Physics

Stanford University
B.S. Physics B.S.

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