



KAFATOS, MENAS

Honorary Member, USA

Professor, Ph.D.

Date and place of birth: 25 March 19 1945, Crete, Greece

Professor **Menas Kafatos** is a physicist and writer on science. His publications include *The Nonlocal Universe* and *The Conscious Universe*.

Education

B.A., Physics, Cornell University, NY, U.S.A., 1967, Ph.D., Physics, Massachusetts Institute of Technology, MA, U.S.A., 1972.

Professional Employment / Honors

- Currently at Chapman University
- Honorary Member, Romanian Academy of Sciences.
- Distinguished Faculty, 1986. University Professor.
- Dean, SCS, George Mason University (GMU), July 2002-2006.
- Associate Dean, SCS, George Mason University, 2000- June 2002.
- Director, Center for Earth Observing and Space Research (CEOSR), 1995-present.
- Director for Academic Programs and Science, CSI, GMU, 1991-1994.
- Founding Director, CSI | Acting Chair, Dept. of Physics, GMU, 1989-1991.
- Professor, Dept. of Physics, George Mason University, 1984-??.
- Assistant / Associate Prof. 1975-1984.
- Postdoctoral Research Assoc., NASA/GSFC, Greenbelt, MD, 1973-1975.
- Postdoc. Research Assoc., U. of Colorado, Boulder, 1972-1973.
- Research Assistant, Dept. of Physics, M.I.T., 1967-1972.

Author or editor of 12 books, 134 articles in astronomy and astrophysics (1973-2000), 12 articles in cosmology and quantum theory, 11 articles in brain science/consciousness and quantum theory (since 1999), 58 articles in Earth system science, remote sensing and data systems (since 1996).

Citations: more than 1,940 citations in professional journals, proceedings and books (from Science Citation Index).

Interviews - ABC national news on Hurricane Katrina, local Fox News on earthquakes (Sept., Oct 2005); local CBS and Fox News on hurricanes and Mason's antenna (May 2006).

Research interests:

- Earth System Science/Earth Observing/Remote Sensing;
- Virtual Domain Application Data Centers; federated, distributed data information system architecture;
- Visualization of Earth and space science data;
- Distributed data systems and associated technologies.
- **Space Sciences:** black holes, active galaxies and quasars, accretion hydrodynamics in curved spacetime, gamma-rays from active galaxies;
- Ultraviolet astronomy, symbiotic stars; atomic physics;

- Foundations of quantum theory, cosmology and consciousness;
- Cosmological observations and their limitations;
- Universal diagrams;
- Foundations of quantum theory;
- Quantum theory and brain dynamics.

Dr. Menas Kafatos is Vice Chancellor for Special Projects and also Dean of the Schmid College of Science, Director of the Center for Excellence in Applied, Computational, and Fundamental Science, and The Fletcher Jones Endowed Professor of Computational Physics at Chapman University. He received his B.A. in Physics from Cornell University in 1967 and his Ph.D. in Physics from the Massachusetts Institute of Technology in 1972. After postdoctoral work at NASA Goddard Space Flight Center, he joined George Mason University and was University Professor of Interdisciplinary Sciences there from 1984 to 2008. He also served as Dean of the School of Computational Sciences and was Director of the Center for Earth Observing and Space Research. He has more than 34 years of experience in undergraduate and graduate Earth systems science, natural hazards and climate change, remote sensing and data information systems, physics, computational and theoretical astrophysics, astronomy, and foundations in quantum theory. He has published numerous books including *The Conscious Universe*, *the Non-local Universe* (with Robert Nadeau, Springer-Verlag), *Principles of Integrative Science* (with Mihai Drăgănescu, Romanian Academy of Sciences Press), and more than 250 articles on computational science, astrophysics, Earth systems science, hazards and global change, general relativity, cosmology, foundations of quantum theory, and consciousness.

References: <http://chapman.edu/CS/pcse/faculty/kafatos.asp>.

<http://www.chapman.edu/SCST/index.aspx>, http://en.wikipedia.org/wiki/Menas_Kafatos