## **TOPICS & SPEAKERS**

## Our Miserable Future Professor Lawrence M. Krauss Case Western Reserve University

Lawrence M. Krauss is Ambrose Swasey Professor of Physics, Prof. of Astronomy, and Director of the Center for Education and Research in Cosmology and Astrophysics. Krauss received his PhD from MIT in 1982 and then joined the Society of Fellows at Harvard University. He was appointed to the faculty of physics and astronomy at Yale University in 1985, and then joined Case as Chair of Physics in 1993. The author of 7 popular books including international bestseller, The Physics of Star Trek, and the award winning, Atom, and his newest book, Hiding in the Mirror: The Mysterious Allure of Extra Dimensions from Plato to String Theory and Beyond, Krauss is also a regular radio commentator and essayist for newspapers such as the New York Times, and appears regularly on television. Krauss is one of the few well known scientists today described by such magazines as Scientific American as a public intellectual, and with activities including performing with the Cleveland Orchestra, he has also crossed the chasm between science and popular culture. At the same time he is a highly regarded international leader in cosmology and astrophysics, and is the author of over 200 papers, winner of numerous international awards for his research accomplishments and his writing (he is, for example, the only physicist to have been awarded the highest awards of the American Physical Society, the American Association of Physics Teachers, and the American Institute of Physics) and is a Fellow of the American Physical Society,

and the American Association for the Advancement of Science. He has been particularly active leading the effort by scientists to defend the teaching of science in public schools. His essay in the New York Times on Evolution and Intelligent Design in May 2005 helped spur the recent controversy that has involved the Catholic Church.

## INTO THE DARK: The Future History of the Universe Professor Fred Adams University of Michigan, Ann Arbor

Fred Adams is Professor of Physics at The University of Michigan, Ann Arbor. He received his PhD in Physics from the University of California, Berkeley, in 1988. For his PhD dissertation research, he received the Robert J. Trumpler Award from the Astronomical Society of the Pacific. After serving as a postdoctoral research fellow at the Harvard-Smithsonian Center for Astrophysics (Cambridge, MA), he joined the faculty in the Physics Department at the University of Michigan (Ann Arbor, MI) in 1991. Adams was promoted to Associate Professor with tenure in 1996, and to Full Professor in 2001. He is the recipient of the Helen B. Warner Prize from the American Astronomical Society and the National Science Foundation Young Investigator Award. He has also been awarded both the Excellence in Education Award and the Excellence in Research Award from the College of Literature, Arts, and Sciences at the University of Michigan. In 2002, he was given The Faculty Recognition Award from the University of Michigan. He has recently been named to as a Senior Fellow for theMichigan Society of Fellows. Professor Adams works in the general area of theoretical astrophysics with a focus on the study of star formation and cosmology. He is internationally recognized for his work on the

radiative signature of the star formation

process, the dynamics of circumstellar disks, and the physics of molecular clouds. His recent work in star formation includes the development of a theory for the initial mass function for forming

stars and studies of extra-solar planetary systems. In cosmology, he has studied many aspects of the inflationary universe, cosmological phase transitions, magnetic monopoles, cosmic rays, anti-matter, and the nature of cosmic background radiation fields. His recent work in cosmology includes a treatise on the long term fate and evolution of the universe and its constituent astrophysical objects.

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## SYMPOSIUM AT A GLANCE

9:30 am - 9:45 pm	Registration
10:00 am - 11:00 am	Our Miserable Future Professor Lawrence M. Krauss
11:00 am - 11:15 am	Break
11:15 pm - 12:15 pm	INTO THE DARK The Future History of the Universe Professor Fred Adams
12:15 pm - 12:30 pm	Break
12:30pm - 1:30 pm	Q & A