A 501 (C) (3) Non-Profit Organization

http://www.mvjs.org

Corporate Background

Founded in 2006 to advance research & communications in the field of Theoretical Physics & Cosmology.

Multiversal Journeys is a 501(c) (3) non-profit organization. Our non-profit educational status is also approved by the state of California under section 23701d.

Our Mission

To advance research and raise public awareness & interest in Theoretical Physics and Cosmology

Sources of Funding

1. **Grants – Private Foundations**

   FQXi (Foundational Questions in Physics & Cosmology Institute): http://fqxi.org/grants/

2. **Grants – US Government**

   NSF (National Science Foundations)

   Dept. of Education

3. **Corporate Donations**

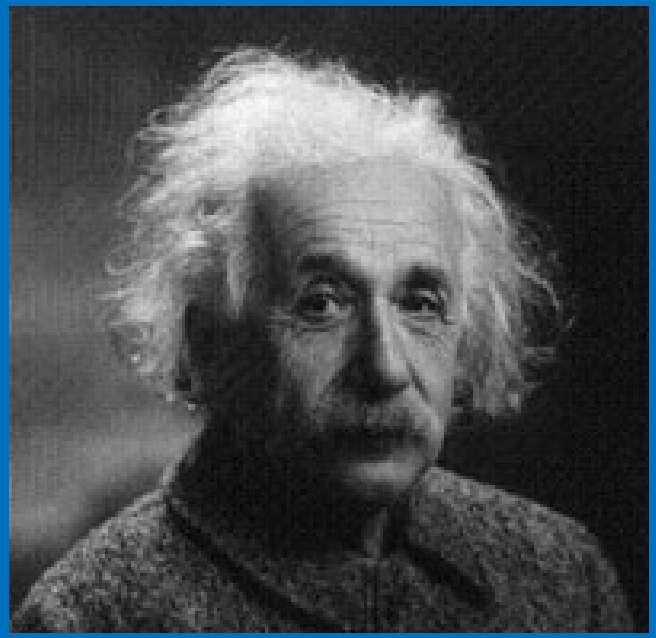
   Donations to Multiversal Journeys are deductible to the maximum extent permitted by the laws

Charter

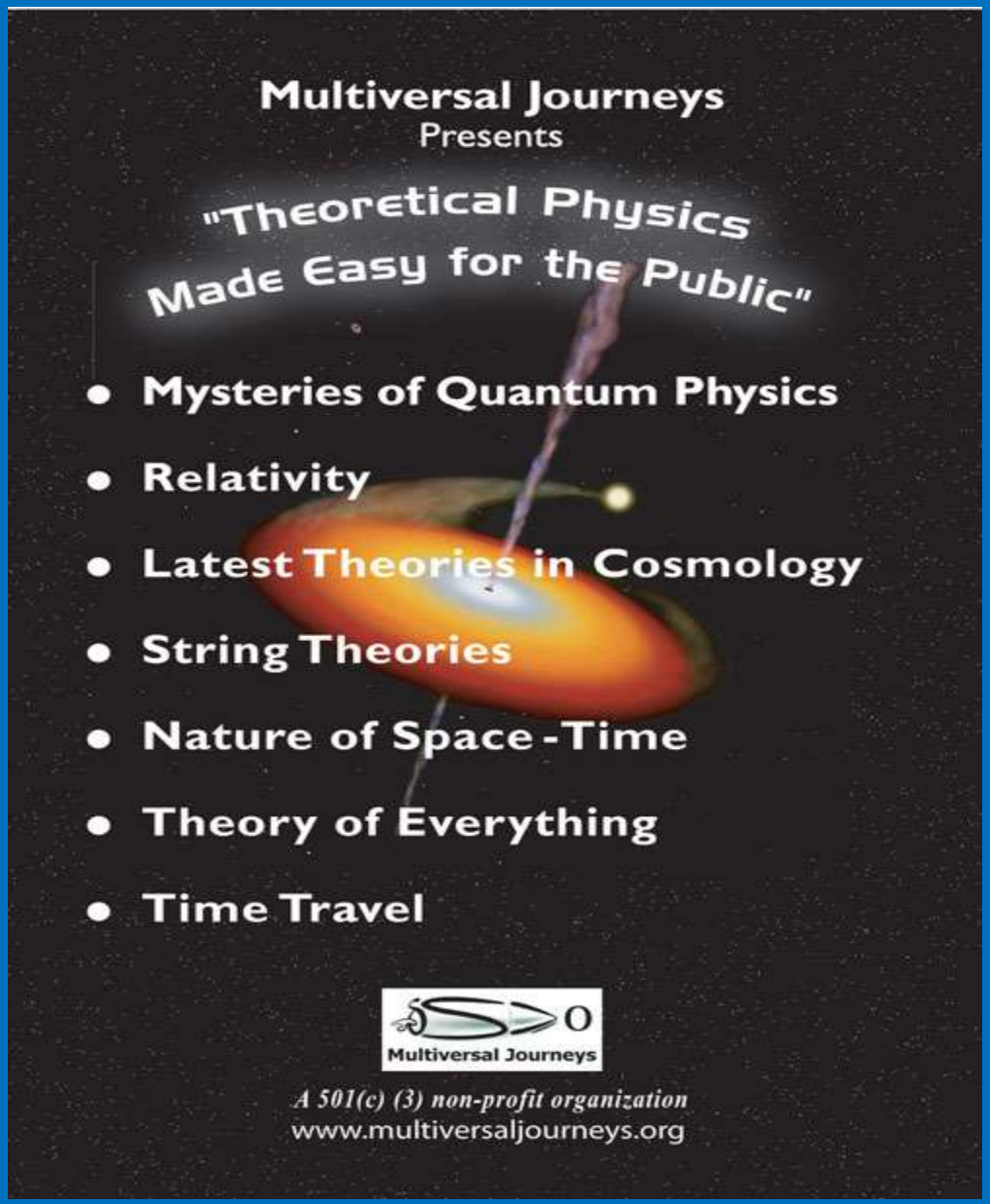
Research in leading edge concepts in Theoretical Physics & Cosmology.

Educating the public in the latest discoveries in Theoretical Physics and Cosmology in a non-technical language.

Lecture Series
Panel Discussions
Book Series
Educational DVDs
Production of Documentaries/Films



Scope



Advisory Boards

Scientific Advisory Board

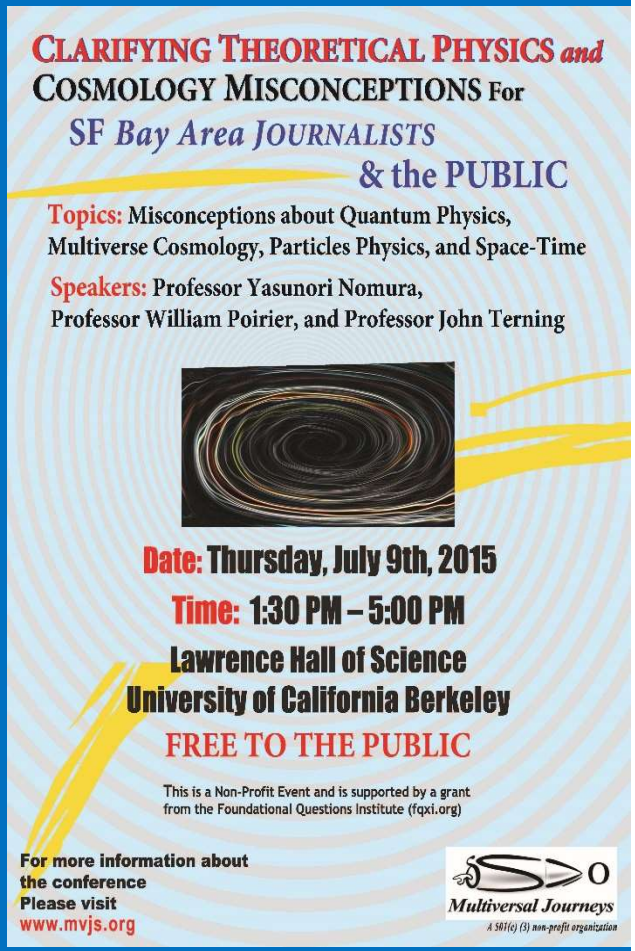
- Professor Fred Adams - University of Michigan, Ann Arbor
- Professor Yasunori Nomura - University of California, Berkeley; Director of Berkeley Center for Theroetical Physics
- Professor John Terning – UC Davis

Book Series Advisory Board

- Prof. Thomas Buchert - University Claude Bernard in Lyon, France
- Prof. Lawrence M. Krauss, Arizona State University, Tempe, AZ
- Prof. Mark Trodden, University of Pennsylvania, Philadelphia, PA

Conferences - UC Berkeley, CA

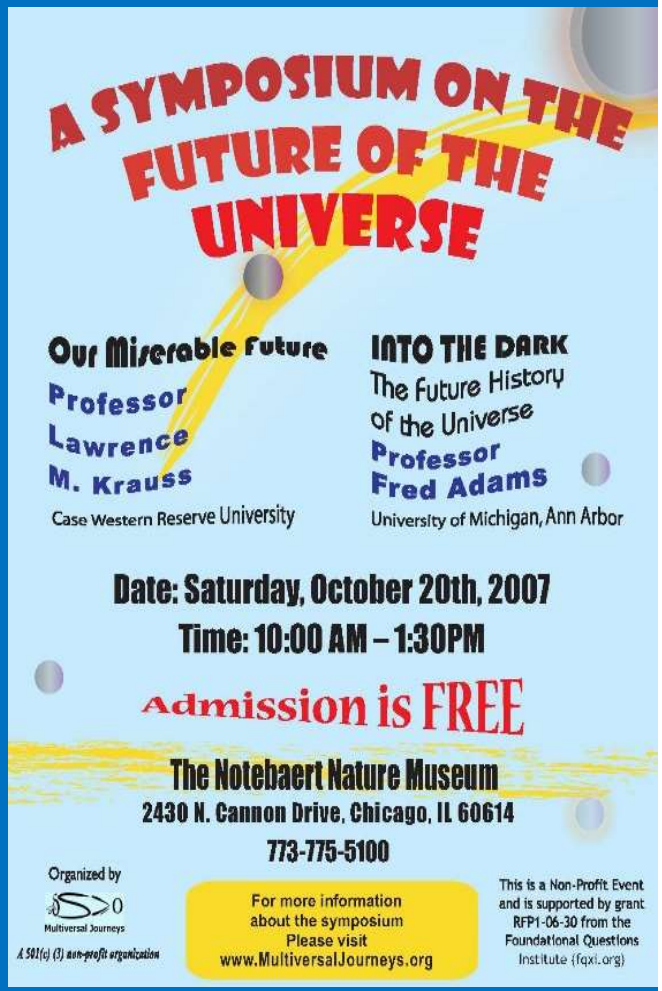
Clarifying Theoretical Physics & Cosmology Misconceptions
Lawrence Hall of Science



Conferences - Notebaert Nature Museum; Chicago, IL

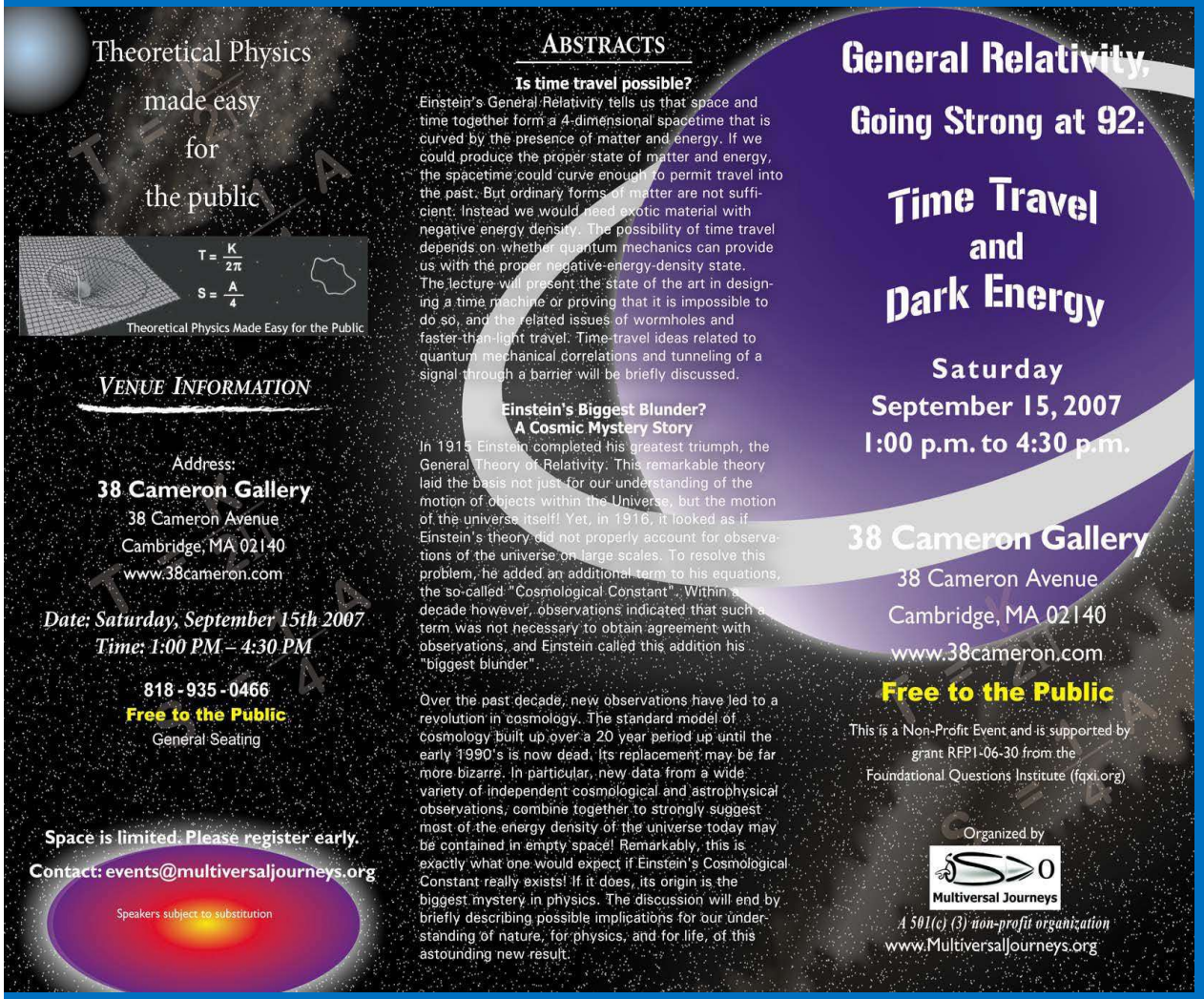
A Symposium on the Future of the Universe

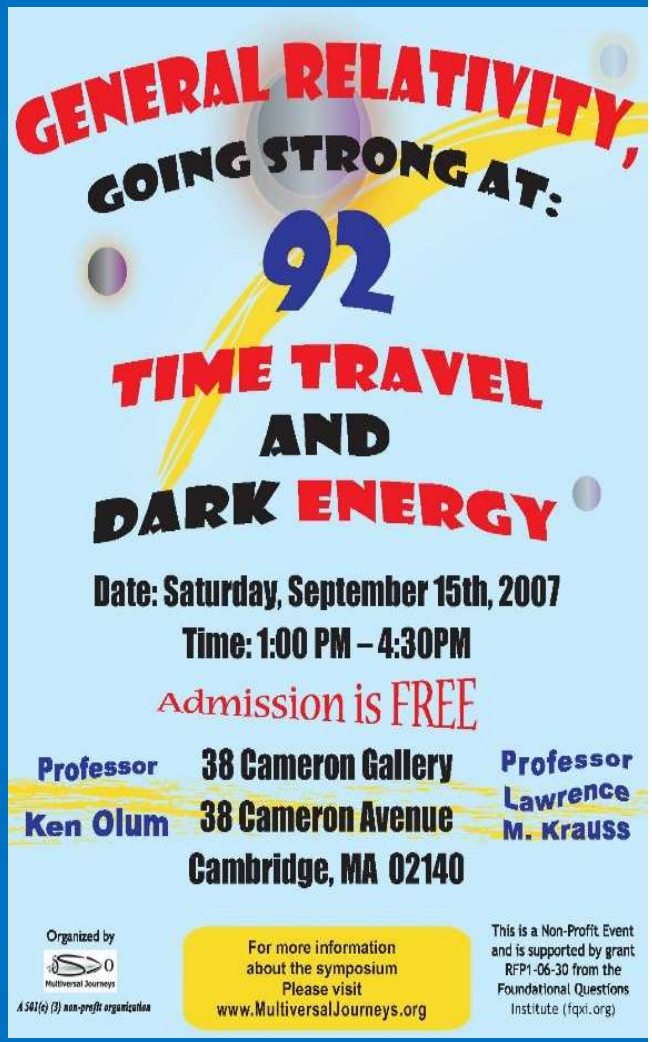
The Chicago Academy of Sciences



Conferences - Cambridge, MA

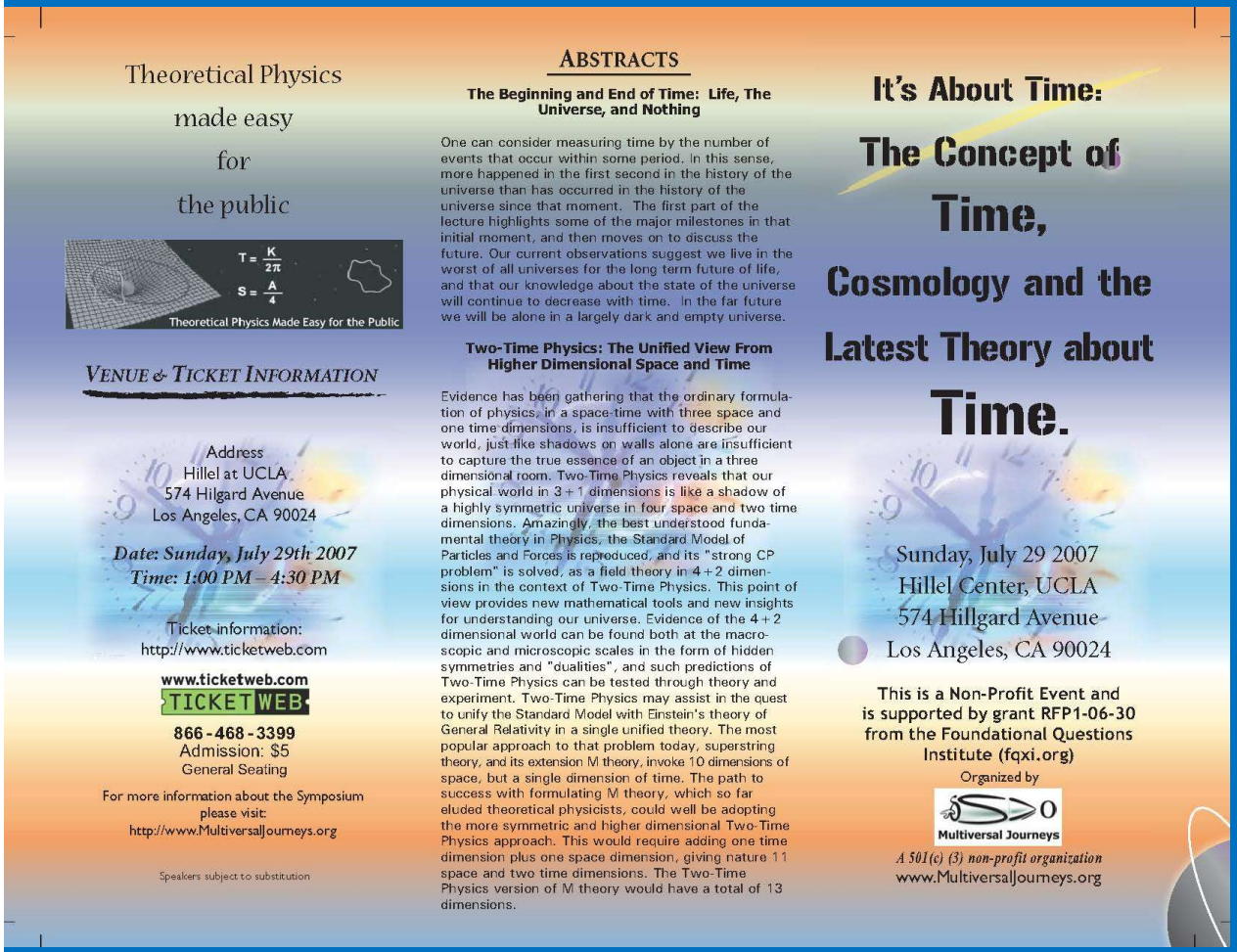
General Relativity, Going Strong at 92:
Time Travel and Dark Energy





Conferences - UCLA, Los Angeles, CA

It's About Time: The Concept of Time, Cosmology and the Latest Theory about Time



Theoretical Physics made easy for the public

Theoretical Physics Made Easy for the Public

VENUE & TICKET INFORMATION

Address
Hillel at UCLA
574 Hilgard Avenue
Los Angeles, CA 90024

Date: Sunday, July 29th 2007
Time: 1:00 PM – 4:30 PM

Ticket information:
http://www.ticketweb.com

www.ticketweb.com
TICKETWEB
866-468-3399
Admission: $5
General Seating

For more information about the Symposium please visit:
http://www.MultiversalJourneys.org

Speakers subject to substitution

ABSTRACTS

The Beginning and End of Time: Life, The Universe, and Nothing

One can consider measuring time by the number of events that occur within some period. In this sense, more happened in the first second in the history of the universe than has occurred in the history of the universe since that moment. The first part of the lecture highlights some of the major milestones in that initial moment, and then moves on to discuss the future. Our current observations suggest we live in the worst of all universes for the long term future of life, and that our knowledge about the state of the universe will continue to decrease with time. In the far future we will be alone in a largely dark and empty universe.

Two-Time Physics: The Unified View From Higher Dimensional Space and Time

Evidence has been gathering that the ordinary formulation of physics, in a space-time with three space and one time dimensions, is insufficient to describe our world, just like shadows on walls alone are insufficient to capture the true essence of an object in a three dimensional room. Two-Time Physics reveals that our physical world in 3+1 dimensions is like a shadow of a highly symmetric universe in four space and two time dimensions. Amazingly, the best understood fundamental theory in Physics, the Standard Model of Particles and Forces is reproduced, and its "strong CP problem" is solved, as a field theory in 4+2 dimensions in the context of Two-Time Physics. This point of view provides new mathematical tools and new insights for understanding our universe. Evidence of the 4+2 dimensional world can be found both at the macroscopic and microscopic scales in the form of hidden symmetries and "dualities", and such predictions of Two-Time Physics can be tested through theory and experiment. Two-Time Physics may assist in the quest to unify the Standard Model with Einstein's theory of General Relativity in a single unified theory. The most popular approach to that problem today, superstring theory, and its extension M theory, invoke 10 dimensions of space, but a single dimension of time. The path to success with formulating M theory, which so far eluded theoretical physicists, could well be adopting the more symmetric and higher dimensional Two-Time Physics approach. This would require adding one time dimension plus one space dimension, giving nature 11 space and two time dimensions. The Two-Time Physics version of M theory would have a total of 13 dimensions.

It's About Time: The Concept of Time, Cosmology and the Latest Theory about Time.

Sunday, July 29 2007
Hillel Center, UCLA
574 Hillgard Avenue
Los Angeles, CA 90024

This is a Non-Profit Event and is supported by grant RFP1-06-30 from the Foundational Questions Institute (fqxi.org)

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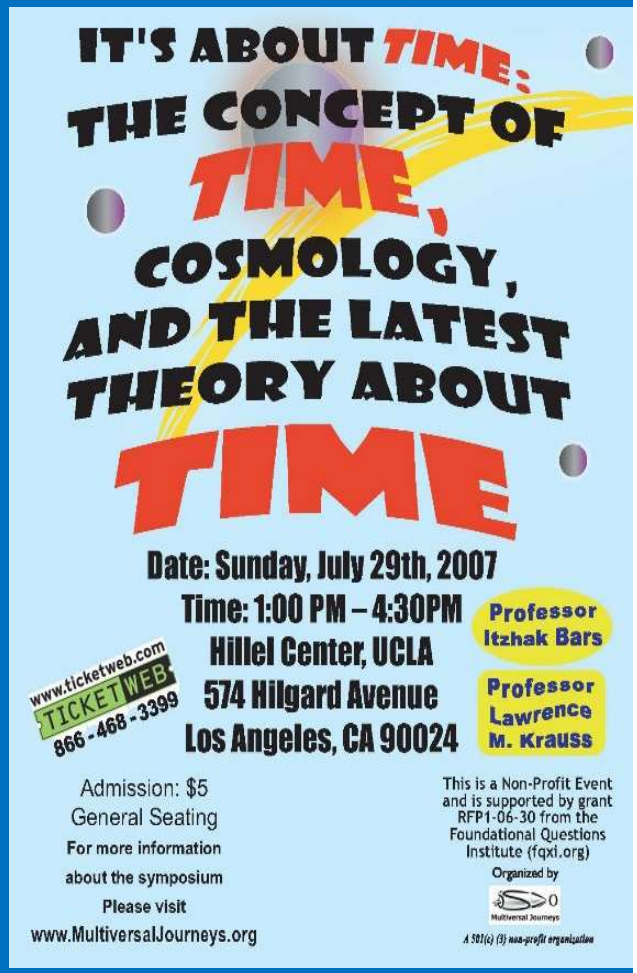

IT'S ABOUT TIME: THE CONCEPT OF TIME, COSMOLOGY, AND THE LATEST THEORY ABOUT TIME

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Time: 1:00 PM – 4:30PM
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574 Hilgard Avenue
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www.ticketweb.com
TICKETWEB
866-468-3399

Professor Itzhak Bars

Professor Lawrence M. Krauss

Admission: $5
General Seating

For more information about the symposium
Please visit
www.MultiversalJourneys.org

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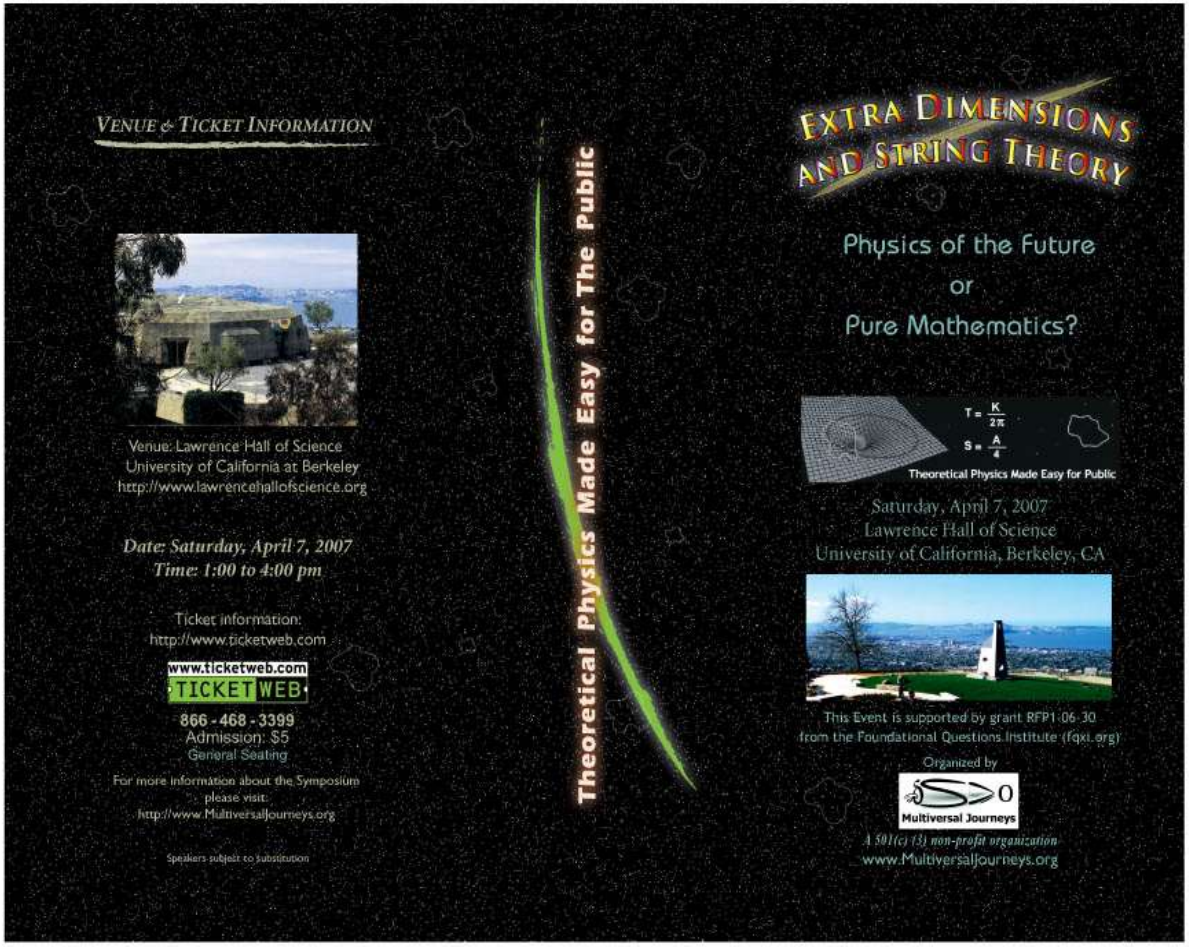
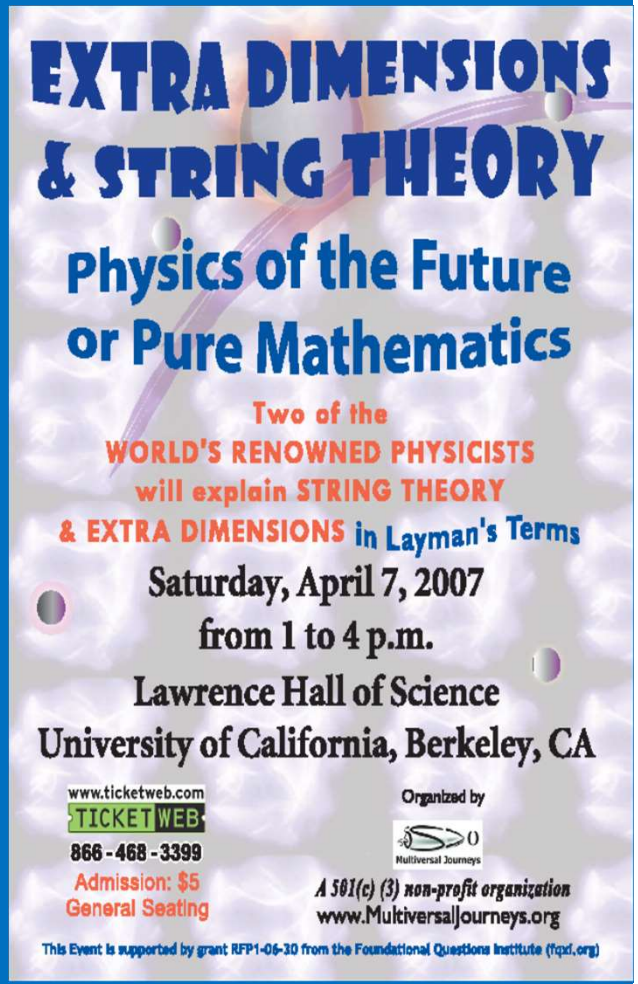
Conferences - UC Berkeley, CA

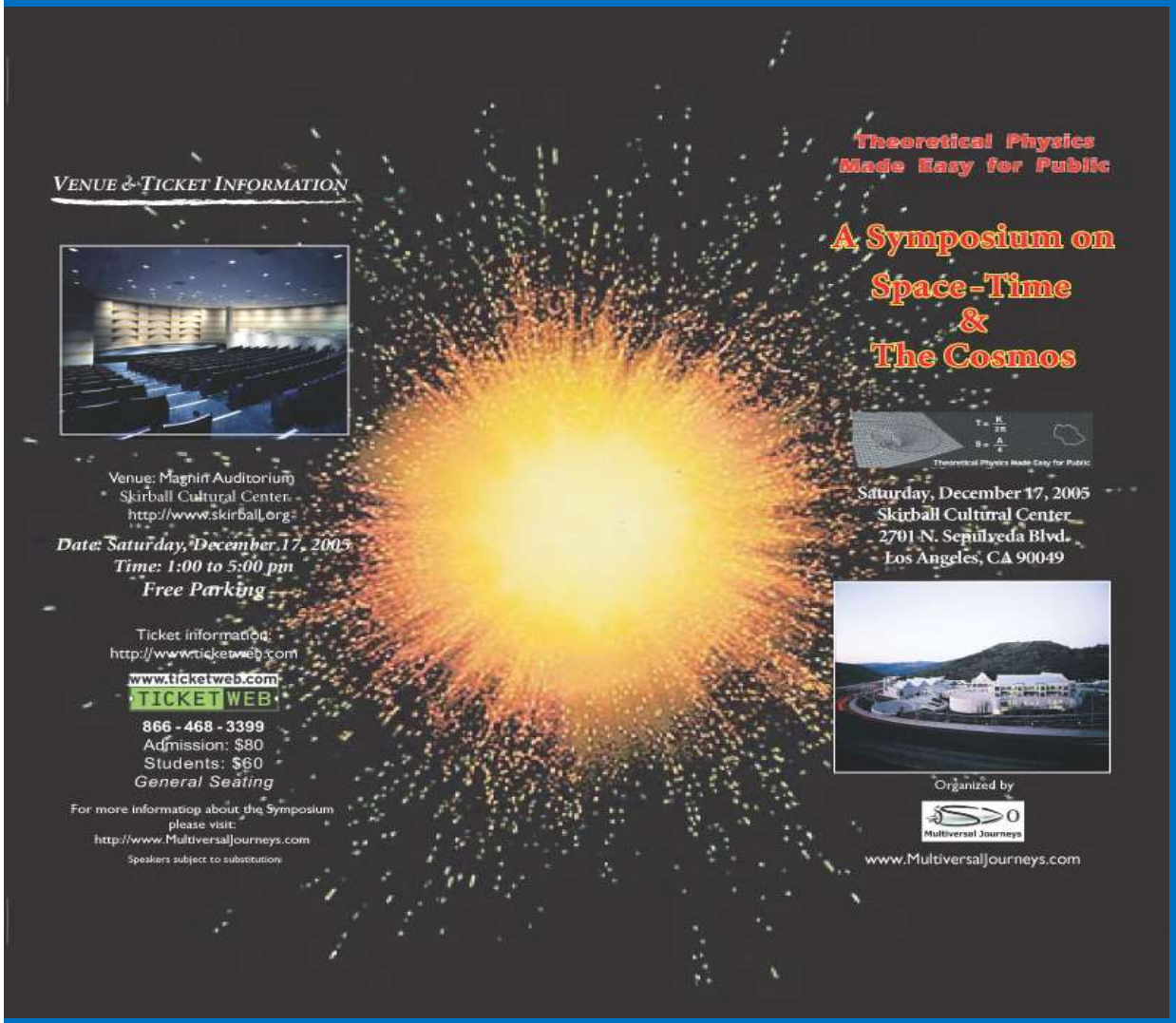
Extra Dimensions and String Theory:
Physics of the Future or Pure Mathematics?





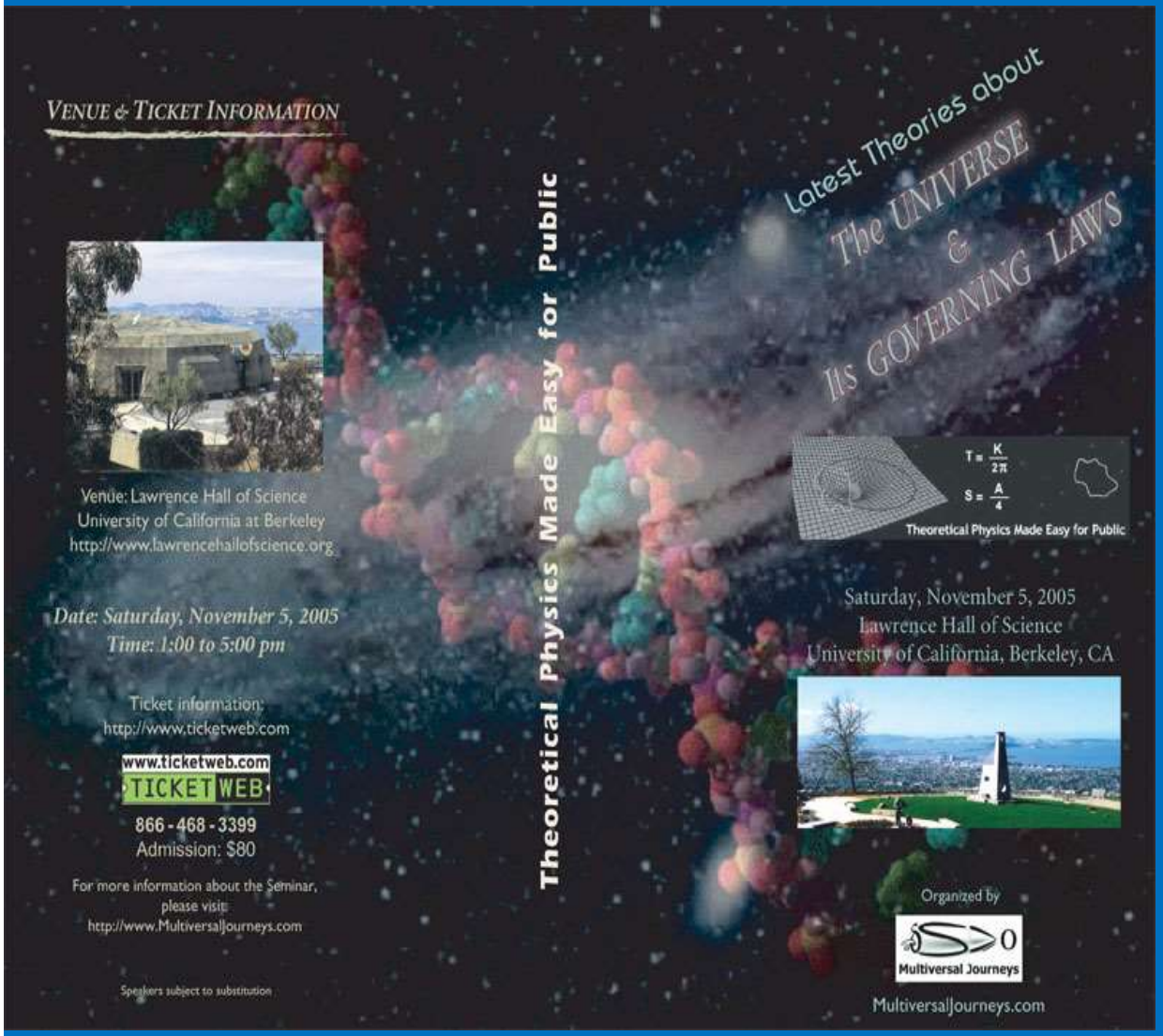
Conferences - Skirball Museum, LA, CA

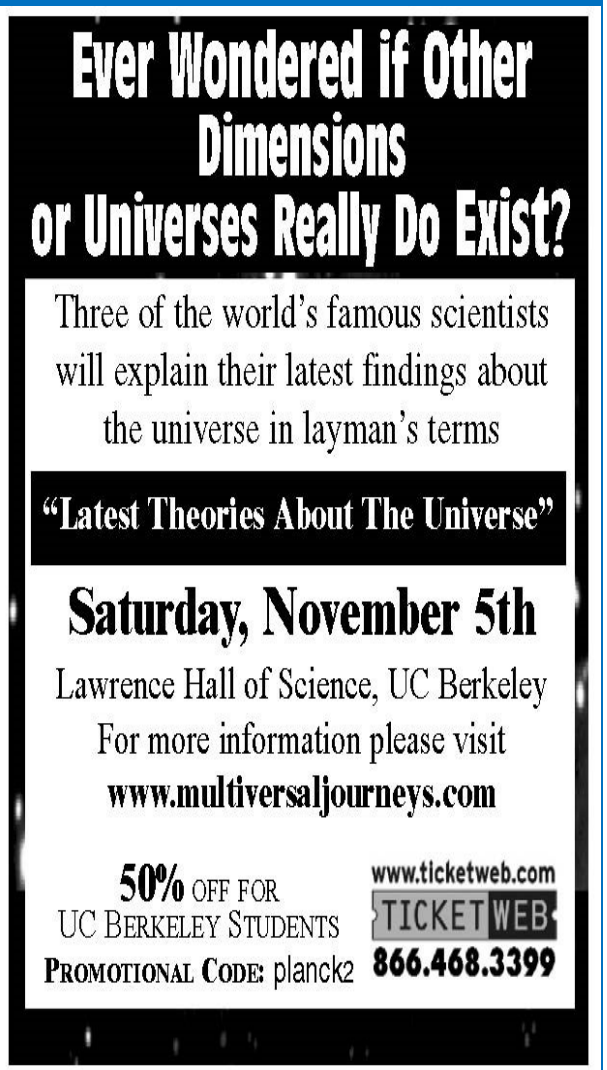
Space-Time & the Cosmos



Conferences - UC Berkeley, CA

Latest Theories about the Universe & Its Governing Laws





Speakers

Our speakers are some of the world's renowned physicists:

- Professor Fred Adams - University of Michigan, Ann Arbor
- Professor Anthony Aguirre - University of California, Santa Cruz
- Professor Itzhak Bars - University of Southern California, Los Angeles
- Professor Raphael Bousso - University of California, Berkeley
- Professor Gary T. Horowitz - University of California, Santa Barbara
- Professor Lawrence M. Krauss - Origins Initiative, ASU
- Professor Yasunori Nomura - University of California, Berkeley
- Professor Ken Olum - Tufts University, Medford, MA
- Professor L. William Poirier - Texas Tech University
- Professor John Terning - University of California, Davis

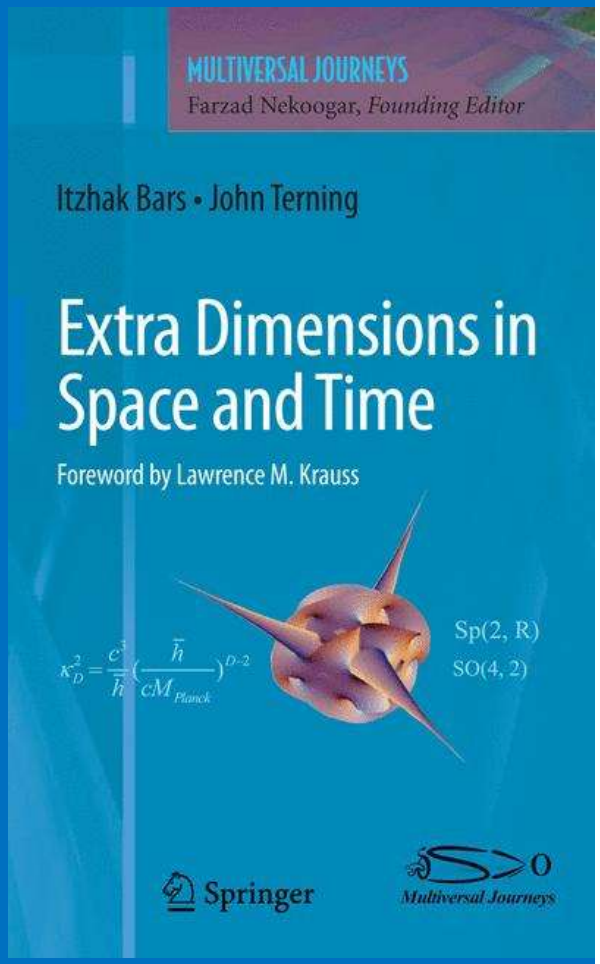
Book Series

The inspiring books in this series are designed for scientifically literate non-specialists who want to know the latest discoveries in Theoretical Physics and Cosmology in a non-technical language.

Multiversal Journeys-book series are published with Springer (http://www.springer.com),

a world wide leader in scientific publishing:

http://www.springer.com/series/7919



Book Series

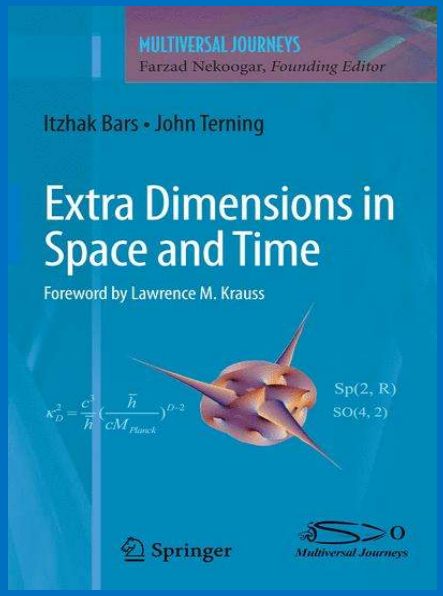
Topics:

Mysteries of Quantum Mechanics
Latest theories in Cosmology
String Theories
Nature of Space-Time
Theory of Everything
Extra Dimensions
Misconceptions in Theoretical Physics

Books Published

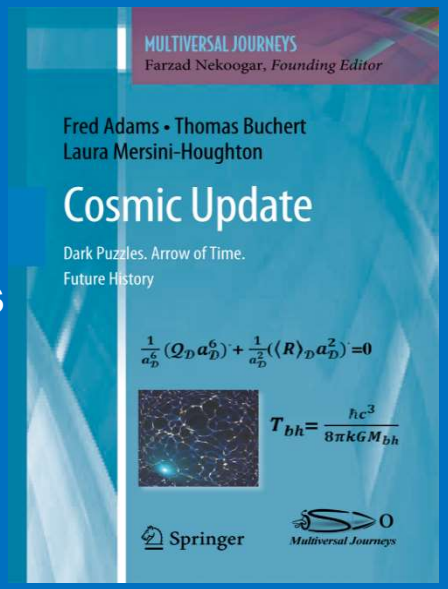
Extra Dimensions in Space and Time

Bars, Itzhak; Terning, John;
Nekoogar, Farzad (Founding Ed.)



Cosmic Update
Dark Puzzles. Arrow of Time. Future History

Adams, Fred; Buchert, Thomas; Mersini-Houghton, Laura;
Nekoogar, Farzad (Founding Ed.)



Quantum Physics, Mini Black Holes, and the Multiverse: Debunking Common Misconceptions in Theoretical Physics
(to be published in 2017)

http://www.springer.com/series/7919?detailsPage=titles

Authors

- Professor Fred Adams - University of Michigan, Ann Arbor
- Professor Itzhak Bars - University of Southern California, Los Angeles
- Professor Thomas Buchert - The University Claude Bernard in Lyon, France
- Professor Laura Mersini-Houghton - UNC-Chapel Hill
- Professor Yasunori Nomura - University of California, Berkeley
- Professor L. William Poirier - Texas Tech University
- Professor John Terning - University of California, Davis

Production of Documentary Films

Collaborating with top media production companies to develop documentaries about Theoretical Physics & Cosmology topics.

Three short documentaries about Misconceptions in Theoretical Physics on the YouTube:

[Misconceptions about LHC Part-1]

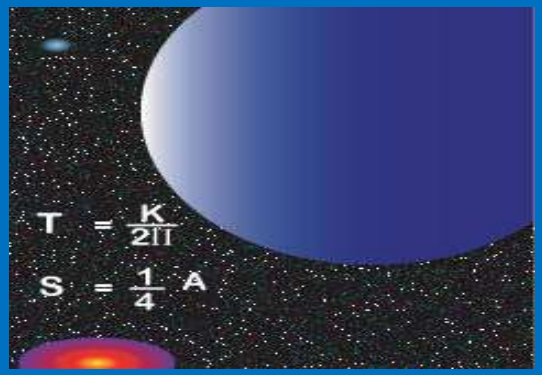
[Misconceptions about LHC Part-2]

[The Multiverse Part 1: Introduction & Misconceptions]

DVDs Produced

The Beginning and End of Time:
Life, the Universe, and Nothing
Prof. Lawrence M. Krauss

The Nature of Space and Time
Prof. Gary T. Horowitz

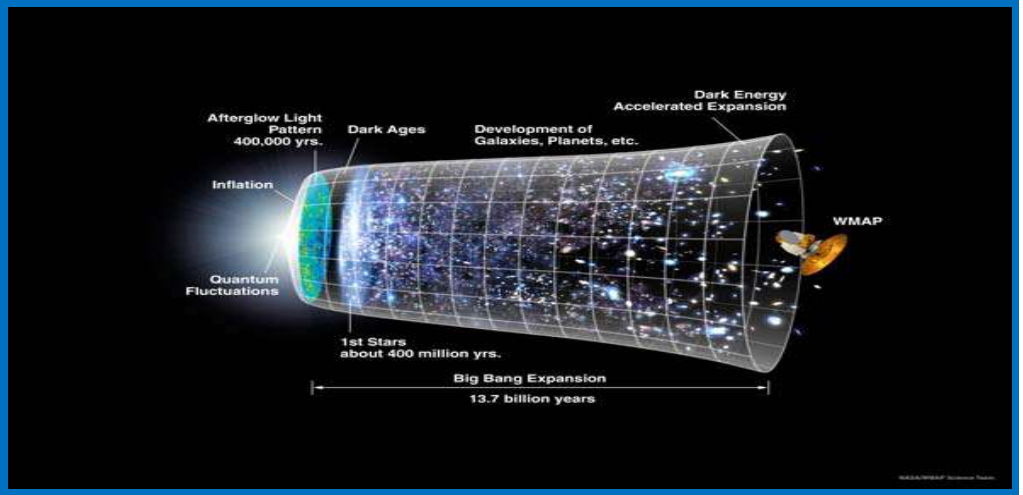


Two-Time Physics: The Unified View from
Higher Dimensional Space and Time
Prof. Itzhak Bars

DVDs Produced (cont'd)

The Future History of the Universe

Prof. Fred C. Adams



Is time travel possible?

Prof. Ken Olum

Thank You