

The Arc of Human History: Challenges to Sustainability

A public seminar series sponsored by First Presbyterian Church of Urbana



Our species, *Homo sapiens*, has been sustained by planet Earth's eco-systems for over 200,000 years. Ongoing rapid accelerations in human population growth, technology and global affluence since the mid twentieth century, however, are inflicting detrimental effects on the Earth's ecosystems that are increasing the rate of extinction of species and imperiling the future of our own. This seminar series, which will be presented by University of Illinois experts, will describe these challenges to sustainability and ways to address them.



10 | 1

Journey of the Universe: Story of Cosmic, Earth and Human Transformation

A documentary film that is grounded in contemporary science and explores man's place in the universe. The film is a collaboration of evolutionary philosopher Brian Thomas Swimme, Professor in the Philosophy of Religion Program, California Institute of Integral Studies, and Mary Evelyn Tucker, Co-director of the Forum on Religion and Ecology, Yale University

10 | 8

The Challenge of Human Population Growth

David Sherwood: Professor Emeritus, UI Colleges of Medicine and Liberal Arts and Sciences, Former Director of UI Reproductive Biology Training Program



10 | 15

The Challenge of Sustainable Mineral and Energy Resources

Stephen Marshak: Professor, UI Department of Geology, Director of UI School of Earth, Society and Environment

10 | 22

The Challenge of Sustainable Fresh Water Availability

Ximing Cai: Professor, UI Department of Civil and Environmental Engineering, Associate Director of UI Institute for Sustainability, Energy and Environment

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The Challenge of Sustainable Food Availability

Evan Delucia: Professor, UI Department of Plant Biology, Director of UI Institute for Sustainability, Energy and Environment



11 | 5

Extinction and Biodiversity in the Modern Era: Worrisome Trends and Practical Solutions

Jeffrey Brawn: Professor and Department Head, UI Department of Natural Resources and Environmental Sciences

DETAILS

Seminars will be at 11am in the Fellowship Hall

First Presbyterian Church of Urbana, 602 West Green Street. Parking is available in the lot east of the church on Orchard Street.

FirstPresUrbana.org

For information contact David Sherwood at od-sherw@illinois.edu or contact the church office at 217.367.8357