



VISIT OF
SIR ROGER PENROSE
TO UTSA
3-6 DECEMBER 2013

UTSA PHYSICS AND ASTRONOMY

Prof Sir Roger Penrose



**Rouse Ball Professor of Mathematics, Emeritus,
University of Oxford**

ROGER PENROSE CAREER HIGHLIGHTS

- BSc WITH FIRST CLASS HONORS, MATHEMATICS, UNIVERSITY COLLEGE, LONDON
- PhD, MATHEMATICS, CAMBRIDGE, 1957
- RESEARCH FELLOW, ST. JOHNS COLLEGE, CAMBRIDGE, FIRST PAPERS ON COSMOLOGY, 1963
- PRINCETON, SYRACUSE, KING' S COLLEGE, LONDON
- VISITING PROFESSOR OF MATHEMATICS, UT AUSTIN, 1963
- ROUSE BALL PROFESSOR OF MATHEMATICS, UNIVERSITY OF OXFORD, 1973
- FELLOW OF THE ROYAL SOCIETY OF LONDON, 1972
- KNIGHTED FOR SERVICE TO SCIENCE, 1994
- RESEARCH INTERESTS INCLUDE MANY ASPECTS OF GEOMETRY WITH CONTRIBUTIONS TO THE THEORY OF NON-PERIODIC TILINGS, GENERAL RELATIVITY THEORY, FOUNDATIONS OF QUANTUM THEORY, AND COSMOLOGY

SIR ROGER PENROSE AWARDS AND HONORS

- Fellow of the Royal Society 1972
- Eddington Medal of the Royal Astronomical Society (with Stephen Hawking) 1975
- Royal Society Royal Medal 1985
- Wolf Foundation Prize for Physics (with Stephen Hawking) 1988
- Dirac Medal 1989
- Albert Einstein Medal 1990
- Naylor Prize of the London Mathematical Society 1991
- Knighted for Service to Science 1994
- Order of Merit, United States Academy of Sciences 2000
- AMS Gibbs Lecturer 2004
- De Morgan Medal Winner 2004
- Copley Medal 2008
- Fonseca Prize, University of Santiago de Compostela 2011
- Richard R. Ernst Medal by ETH Zürich
for his contributions to science and strengthening the connection
between science and society 2012

PENROSE POPULAR WORKS

Emperor's New Mind : Concerning Computers, Minds, and the Laws of Physics (1989)

Shadows of the Mind: A Search for the Missing Science Of Consciousness (1994)

The Nature of Space and Time (with Stephen Hawking, 1996)

The Road to Reality: A Complete Guide to the Laws of the Universe, 2007

Cycles of time: An Extraordinary New View of the Universe, 2012

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PRESIDENT'S DISTINGUISHED LECTURE, THURSDAY,
5 DECEMBER, 6:00 PM, MB AUDITORIUM, MB 0.104

"Seeing Signals from Before the Big Bang"

PHYSICS & ASTRONOMY SEMINAR,
FRIDAY 6 DECEMBER, 3:00 PM, BB 3.04.18

"Are there Signals Coming to us from Before the
Big Bang?" New Information from WMAP and
Planck Satellites"



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