

| Brief Biography of Dr. Bruce Tsurutani |



Dr. Bruce Tsurutani was born on January 29th, 1941 at Los Angeles, California. After PhD at the University of Berkeley in 1972 he joined Jet propulsion Laboratory (JPL) under California Institute of Technology and remained there ever since. He is a Senior Research Scientist at JPL since 1986 and has become the Principal Scientist of JPL since 2001. He had overlooked the Space Physics and Astrophysics Sectional Activity of JPL when it was involved with more than a dozen of satellites, including SETI, SIRTF, CASSINI, GALILEO, ULYSSES, Voyager, Giotto, Pioneer etc. He was also the Leader of the space plasma group for about 7 years. His scientific interests are widespread which include Space Weather, Solar science, plasma waves, ionospheric physics, Auroral Physics etc. He received several honors including American Geophysical Union John Adam Fleming Model, NASA Exceptional Service medal, several of the satellites' team achievements awards etc. He has supervised Six PhD students and has written over 700 papers in refereed journals. He is highly cited and has a citation of over 32000 with an H-index of 82, which is an outstanding and enviable achievement by any standard.



BOSE-125 Distinguished Lecture

on

TWENTY SIXTH FEBRUARY
2018

सत्येन्द्र नाथ बसु की 125 वीं जयंती

1894 - 2018

125th Birth Anniversary of Satyendra Nath Bose



सत्येन्द्र नाथ बसु राष्ट्रीय मौलिक विज्ञान केन्द्र
Satyendra Nath Bose National Centre for Basic Sciences

Space Weather: Plasma Physics from the Sun to the Earth's Atmosphere Bruce T. Tsurutani

ABSTRACT

Our Sun, although it looks bland by viewing it in visible light, is indeed responsible for solar flares, magnetic storms and the aurora borealis and australis at Earth. This science has recently been named "Space Weather". Before the space age, there were many knowledgeable people who thought that there was little or no connection between the Sun and geomagnetic activity at Earth. In this lecture, I will trace some of this past history and show how the advent of rockets and satellites have rapidly changed our viewpoint. We are also currently learning that extreme space weather can have negative effects on mankind. Some of these effects will be discussed and illustrated.



S. N. BOSE NATIONAL CENTRE FOR BASIC SCIENCES
KOLKATA

Director
and

Staff and students of S. N. Bose National Centre for Basic Sciences
request the pleasure of your company at the

BOSE-125 Distinguished Lecture

by

Bruce T. Tsurutani

Jet Propulsion Laboratory, California Institute of Technology,
Pasadena, California, USA

on

Monday, 26th February, at 4:00 pm

to celebrate

125th Birth Anniversary of Professor Satyendra Nath Bose

Prof. Samit Kumar Ray
Director

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Fermion Hall

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