

TECHNICAL LECTURE



Dr. Roland Tsunoda
Principle Scientist
SRI International, USA
(formerly known as Stanford Research Institute)

Equatorial Plasma Structure

Date : 10 September 2012 (Monday)

Time : 10:00 am

**Venue: Meeting Room, Faculty of
Engineering and Built Environment,
Universiti Kebangsaan Malaysia**

Biography

Dr. Roland Tsunoda received his Bachelor's and Master's Degrees in Electrical Engineering from the University of Hawaii in 1964 and 1966. His Master's thesis was on the study of traveling ionospheric disturbances using a high-frequency Doppler technique. After graduation, he worked at the Cornell Aeronautical Laboratory in Buffalo, New York, for five years, where he was involved in research of the D region ionosphere using a partial-reflection radar, and of plasma-density irregularities that develop in the polar ionosphere, using backscatter radars that operated between 50 and 1300 MHz. He then joined the Stanford Research Institute (now SRI International) in Menlo Park, California, where he has continued to pursue basic research for more than 40 years. His broad range of interests and expertise lie in the physics that determine the excitation and development of ionospheric plasma structure. He received his Ph.D. degree in Electrical Engineering from Kyoto University in 1996. His Ph.D. thesis was on polarization processes that operated in the equatorial ionosphere. His current interest is in source mechanisms that are responsible for the day-to-day variability in the development of plasma structure in the nighttime equatorial F layer. He has written more than 120 papers, which have appeared primarily in the Journal of Geophysical Research and Geophysical Research Letters, as well as in other international, peer-reviewed scientific journals.

Tentative Programme

Time	Program
10.00am - 10.15am	Registration
10.15am - 10.30am	Welcoming remarks By Prof. Dr. Mohd Alauddin Mohd Ali <i>Director of Institute of Space Science (ANGKASA)</i>
10.30am - 11.30	Dr. Roland Tsunoda SRI International <i>Title : Equatorial Plasma Structure</i>
11.30am – 12.00 pm	Q&A session
12.00 p m	Refreshments and End