

**INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE**  
2A&B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032, India

## **Seminar Notice**

Org. by

### **Theoretical Physics Department**

<b>Title:</b>	<b>IceCube Neutrino Observatory : Past, Present &amp; Future</b>
<b>Speaker:</b>	<b>Debanjan Bose, Sung Kyun Kwan University, South Korea</b>
<b>Date:</b>	<b>February 14, 2017 (Tuesday)</b>
<b>Time:</b>	<b>03:30 p.m.</b>
<b>Venue:</b>	<b>Theoretical Physics Seminar Room (R/No.-C406), 3rd Floor, Centenary Building, IACS</b>
<b>Abstract:</b>	<p>IceCube neutrino telescope has been built at South Pole to detect neutrinos of astrophysical origin. Over the past decade, South Pole has emerged as a leading site for neutrino astronomy, particle astrophysics and neutrino physics. IceCube has recently detected high energy neutrinos of astrophysical origin. Over the past several years it has also carried out many other important measurements, like, it has measured neutrino oscillations with high precision comparable to that of the leading experiments in the field. All these successful detections has led the IceCube Collaboration to begin investigating possible extensions of IceCube with improved performance at high and low energies. In this presentation I will describe IceCube neutrino telescope, discuss some of the results and talk about future extensions.</p>

**All are cordially invited to attend the seminar**