

| Brief Biography of Prof. Bala Iyer |



Bala Iyer is currently Simons Visiting Professor at ICTS-TIFR Bangalore. He completed his BSc, MSc and PhD (1980) from Bombay University. He was in the Raman Research Institute, Bangalore during 1980-2014 and worked on Astrophysical applications of General Relativity, Perturbation methods and Black Holes. Since 1990 he has worked on calculations of Gravitational waves from binaries of neutron stars and black holes. Bala Iyer has been a Visiting scientist in France, UK, Germany, USA. He is a Fellow of American Physical Society and International Society on General Relativity and Gravitation. He is the Chair of the IndIGO Consortium from its inception in 2009 and PI of IndIGO participation in the LIGO Scientific Collaboration (LSC) since 2014. He was a Member of the Core team for LIGO-India Mega Project Proposal. He is the Chief Editor and Subject Editor on Gravitational Waves for the Online Journal 'Living Reviews in Relativity' published currently by Springer. He has been involved in REAP (Research Education Advancement Program) for B.Sc students at the Bangalore Planetarium for over two decades and Public outreach on General Relativity and Gravitational Waves.



BOSE-125 Distinguished Lecture

on

NINETH MARCH
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

The Rapid Leap from Gravitational Wave Detection to Multi-Messenger Astronomy

Prof. Bala Iyer

ABSTRACT

The first detection of gravitational waves from a black hole binary on Sept 14 2015 was a breakthrough, taking a century to realize, and made possible by the coming together of a remarkable experiment and an exquisite theory complemented by the best in sophisticated data analyses, state of the art computing and finally the transition to "big science". For decisive contributions to the LIGO detector and the observation of gravitational waves, Rainer Weiss, Kip Thorne and Barry Barish were awarded the 201 Physics Nobel Prize. The discovery of Gravitational Waves from a binary neutron star system last year and the intense associated electromagnetic follow up heralds the launch of a new multi-messenger astronomy and its potential to impact astrophysics, cosmology and fundamental physics.



**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

Prof. Bala Iyer

ICTS -TIFR, Bangalore

on

Friday, 9th March, at 4:00 pm

to celebrate

125th Birth Anniversary of Professor Satyendra Nath Bose

Prof. Samit Kumar Ray
Director

Venue :

Silver Jubilee Hall

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