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HABIB UNIVERSITY'S SCHOOL OF SCIENCE AND ENGINEERING PRESENTS

# GRAVITATIONAL WAVES: A SPACETIME SYMPHONY

**SPEAKER: DR. BABAR QURESHI (PHYSICS), LAHORE UNIVERSITY OF MANAGEMENT SCIENCES (LUMS)**

**Prof. Babar Qureshi** received his Ph.D. in theoretical physics from Syracuse University in Dec. 2007 and then worked as Govt. of Ireland IRCSET Postdoctoral Fellow before joining the Department of Physics at LUMS. He has also spend extended times as visiting scientist at Perimeter Institute, Kavli Institute for Theoretical Physics, CERN and UNAM.

## ABSTRACT:

In this talk, starting from simple notions, **Dr. Babar Qureshi** will explain what does it mean to curve space and time, how it is related to gravity, what exactly are gravitational waves and how they are detected; all in a language that should be accessible to general public. Prof. Qureshi will also discuss why this discovery is so important and what new windows it opens in our understanding of the universe that we inhabit as well as technical marvels that were achieved in order to detect them.

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**Monday, March 14<sup>th</sup> 2016,**  
**6:00 pm to 7:15 pm**  
**Tariq Rafi Lecture Theater,**  
**Habib University**