



SCHOOL OF
SCIENCE AND
ENGINEERING

HABIB UNIVERSITY'S SCHOOL OF SCIENCE AND ENGINEERING PRESENTS

BUILDING UP OUR UNIVERSE: HIGGS BOSON AND SALAM'S MODEL OF PARTICLE PHYSICS.

ABOUT THE SPEAKER:

Babar Ahmed Qureshi received his Masters in Physics from University of Punjab in 2002. That is also the year he started pursuing his Ph.D. in Theoretical Physics at Syracuse University, which he received in Dec. 2007. He then joined Dublin Institute for Advanced Studies as a Govt. of Ireland IRCSET Postdoctoral Fellow. He has also spent extended times as Visiting Scientist at Perimeter Institute, Kavli Institute for Theoretical Physics, CERN and UNAM in Mexico.

ABOUT THE TALK:

Higgs boson is the corner stone of our current understanding of how the forces of nature work. In this talk, aimed at general science audience, I will describe the main ideas behind the Higgs particle and its central role in Prof. Salam's underpinning of the whole particle physics via the standard model. The Higgs particle was one of the last predictions of Salam's theory, apart from the W's and the Z, and was found about three years ago at CERN. The prediction regarding the existence of Higgs boson relied on coming together of a host of ideas at the basis of physics and therefore its discovery has been hailed as one of the greatest triumphs of theoretical physics and is a testament to greatness of Salam's ideas in Physics.

THURSDAY, JANUARY 12TH 2017, 2:00PM TO 3:30PM

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