



PIEAS Colloquium

Enriching Physics Through Innovative Experiments



By

Dr Muhammad Sabieh Anwar

Associate Professor

Department of Physics

Lahore University of Management Sciences

Lahore

on

Wednesday, December 5, 2018

at

14:00 hrs

in

Conference Room, C-Block

All are cordially invited

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Muhammad Sabieh Anwar completed his D.Phil. from the Department of Physics, Oxford University (UK) in 2004, where he studied as a Rhodes Scholar from Pakistan. His dissertation was titled, "Quantum Information Processing using Para-Hydrogen NMR" and revolved around the preparation of pure quantum states for quantum computing. This work also constituted the first demonstration of quantum entanglement in the liquid state.

His post-doctoral experience at the University of California, Berkeley, (USA) involved the demonstration of hyperpolarized NMR using heterogeneous catalytic systems, microfluidic and "lab-on-a-chip" NMR, synthesis of precise magnetic fields for ex-situ NMR, algorithmic cooling, polarization lifetime studies and hypersensitive nanoparticle MRI.

Prior to his doctoral studies, Sabieh received his B.Sc. (Honours) degree in electrical engineering (electronics and communications) from the UET, Lahore.

Dr. Sabieh is a recipient of ICTP Physics Prize for the year 2008 as well as Aizaz-e-Sabqat from the Government of Pakistan.