

STUDENT SEMINAR SERIES ON RECENT QUANTUM ADVANCES

Wednesday, Aug 31, 5:30 - 6:30 PM
In **PHYS BLDG 111** With Refreshments
All are welcomed

We will explain the basic concepts and experimental platforms in the quantum science and technology field and review recent groundbreaking results. For more information, please visit purdue.link/qseminar.

This week's speaker: Yisheng Lei

Ph.D. Student in the Dept of Physics and Astronomy

Title: A Brief Overview of Quantum Communications

Abstract: In this seminar, I will explain the working principles of quantum key distribution (BB84 & Ekert 91 protocols), quantum repeater (entanglement swapping, entanglement purification & quantum memory), Bell state measurement, quantum teleportation and also its recent experimental progresses.



Biography:

Yisheng got his bachelor's degree in physics from Nanyang Technological University, Singapore, advised by Prof. Rainer Dumke. He joined Purdue Department of Physics & Astronomy as a PhD student in January 2021. He is currently working in Prof. Mahdi Hosseini's lab to build quantum memories. He was the CEO & Co-founder of INNOTUS in Singapore.

SPONSORS

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