



# ROMES SEMINAR SERIES

## Center for Mathematical Sciences (CMS)



## 2024 Nobel Prize in Physics and some reminiscences

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### INTRODUCTION

Prof. Muhammad Suhail Zubairy is a University Distinguished Professor as of 2014 in the Department of Physics and Astronomy at the Texas A&M University and is the inaugural holder of the Munnerlyn-Heep Chair in Quantum Optics. His research interests include quantum optics and laser physics. He is the co-author of two books, one on Quantum Optics and the other on Quantum Computing Devices. Recently, he published a book on Quantum Mechanics for Beginners. He is also the author of another book, "A Mysterious Universe". He has received many honors including the Willis E. Lamb Award for Laser Science and Quantum Optics, Alexander von Humboldt Research Prize, the Outstanding Physicist Award from the Organization of Islamic Countries, the Abdus Salam Prize in Physics, the Int'l Khwarizmi Award from the President of Iran, the Orders of Hilal-e-Imtiaz and Sitara-e-Imtiaz from the President of Pakistan. He is an elected member of the Pakistan Academy of Sciences and a Fellow of the American Physical Society and the Optical Society.

### ABOUT TALK

The 2024 Nobel Prize in Physics was awarded in the fields of artificial intelligence and machine learning. The original ideas went back to the development of neural network models. In this talk I shall relate this work with our research at Quaid-i-Azam University in 1980's.

### Event Information

#### Date & Time

**December 18, 2024**  
**Wednesday, AT 01:45PM**

#### Location

**Inam-ur-Rehman**  
**Auditorium, PIEAS**  
**Islamabad**

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