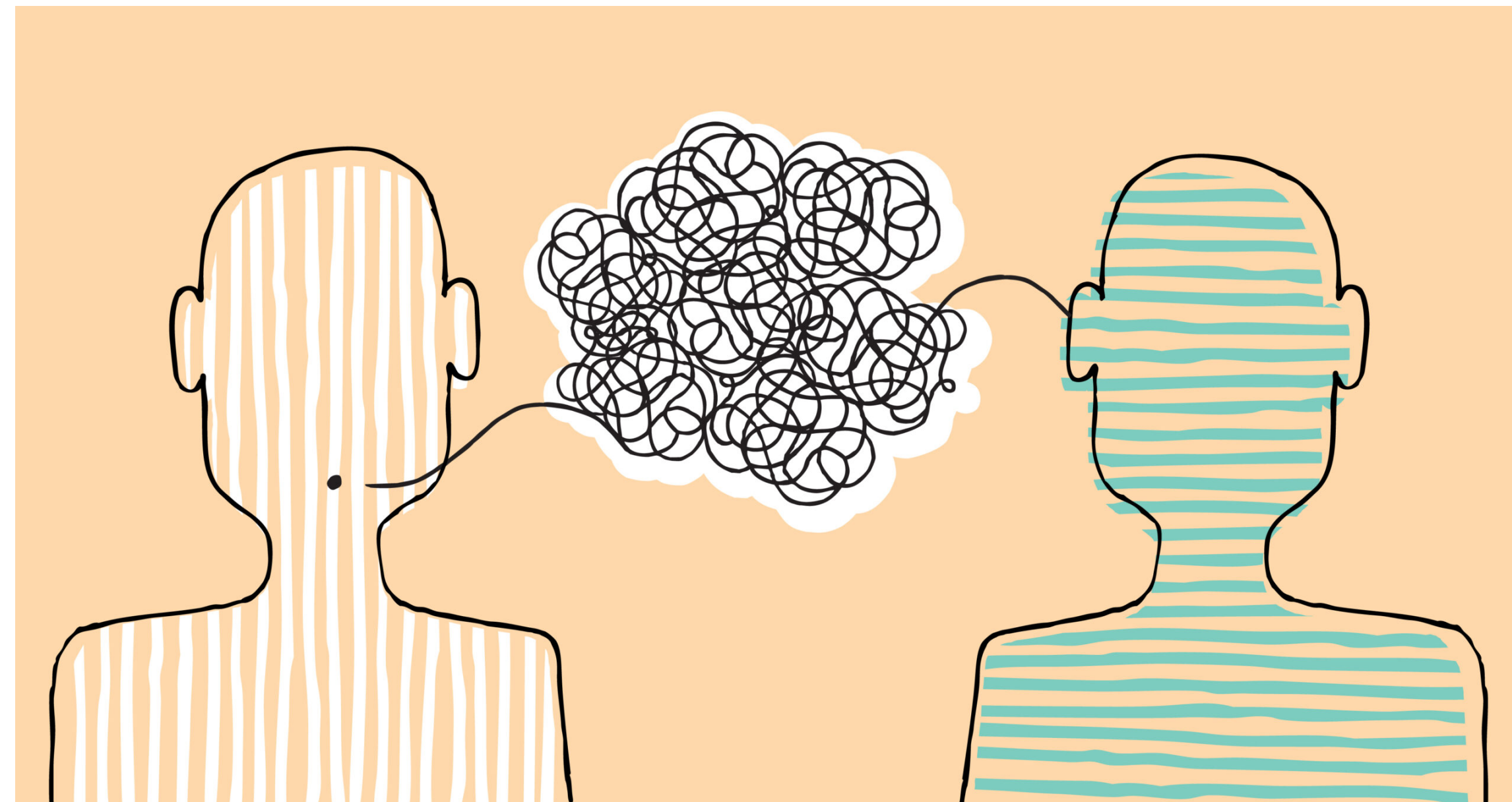


# Seminar Invitation: Exact Wave Solutions of Thin-Film Ferroelectric Material Equation

Muhammad Irfan from Department of Mathematics, University of the Punjab, Lahore

## Speakers' Brief Introduction

Mr. Muhammad Irfan is an MPhil Scholar working under the supervision of Prof. Dr. Ghazala Akram. The field of research of a student is Computational Mathematics, specializing in Nonlinear Partial Differential Equations.



## Astract

The nonlinear partial differential equations and their solutions provide help in understanding many complex problems that arise in the fields of science and engineering. The exact solutions of nonlinear partial differential equations play a crucial role in describing many physical problems. Due to this fact, a lot of methods have been developed to extract the exact solutions of nonlinear partial differential equations. The purpose of this talk is to investigate the wave solutions of Thin-Film Ferroelectric Material Equation. The graphical representation of the extracted solutions has also been provided in this work.

## Departmental Seminar Series

The Seminar Series serves as a platform to showcase and celebrate the remarkable work carried out by our researchers, scholars, and experts. It provides an avenue for knowledge dissemination and collaboration, creating an environment that nurtures innovative ideas and drives groundbreaking research. We proudly acknowledge and celebrate the remarkable contribution of Prof. Dr. Muhammad Sharif in introducing this seminar series back in 2005. The Seminar Series encompasses a wide range of topics, spanning various disciplines, ensuring that it caters to the diverse interests and expertise of our institute's community. Through these seminars, we aim to cultivate an environment of intellectual curiosity, stimulating meaningful discussions, and fostering interdisciplinary collaborations.



## Please join us for this Presentation

**When:** Wednesday 5th July 2023; 02:15PM- 02:30PM

**Where:** Computer Lab, Department of Mathematics, University of the Punjab, Lahore

## Chairman Message



It is my honor to witness the passion and dedication that our faculty and students bring to the study of this beautiful discipline. I encourage our faculty members to create a supportive environment that nurtures and promotes mathematical research. I urge each and every one of you, regardless of your level of experience, to actively participate in mathematical research and contribute to the growth of our research community. It is our collective responsibility to create an ecosystem that encourages and facilitates research pursuits.

## Coordinator Departmental Seminar Series

**Dr. Zeeshan Yousaf**

Associate Professor

Department of Mathematics, University of the Punjab, Lahore