

Seminar Invitation: Decision-making Method with Interval Rough Model

Speaker: **Farwa Ilyas** from Department of Mathematics, University of the Punjab, Lahore

Speakers' Brief Introduction

Ms. Farwa Ilyas is a PhD scholar working under the supervision of Prof. Dr. Muhammad Akram. The field of research of a student is Pure Mathematics.



Abstract

In this talk, I will present a group decision support algorithm, named IRN-ELECTRE-II for opinions on the adaptable structure of interval rough numbers. The first phase aggregates the interval rough opinions of the experts on each alternative and criteria with the aid of suitable interval rough aggregation operators. Then the algorithm introduces three interval rough outranking sets (concordance, indifferent, and discordance sets), establishing strong and weak outranking relations. The latter are graphically represented by strong and weak outranking graphs, which are finally explored by a systematic iterative procedure that leads to the provision of a preferred system. We display these steps conducive to the IRN-ELECTRE-II algorithm by a flow chart to facilitate its application. Finally, the applicability of the proposed methodology will be demonstrated by solving a case study.

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 our institute's community's diverse interests and expertise. 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 20th December 2023; Time: 1500-1530

Where: Seminar Hall, Department of Mathematics, University of the Punjab, Lahore

Note: All faculty members and research scholars (MPhil/PhD) are invited to this seminar.

Chairman Message



It is my honor to witness the passion and dedication that our faculty and students bring to studying this beautiful discipline. I encourage our faculty members to create a supportive environment that nurtures and promotes mathematical research. I urge 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. Our collective responsibility is 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