Department of Mathematics and Statistics Workshops

First Graduates' Workshop

The Department of Mathematics and Statistics held its first Graduates' Workshop on December 6, 2017. The purpose of this workshop was to provide graduate students of the department a stage from which they could share their current research with students, as well as faculty, from all over the university. It was also the purpose that, through this workshop, graduate students were provided with an opportunity to share their current research with an educated audience and to find avenues of research collaboration with other research groups both within the department and more broadly, the university.

The workshop consisted of three sessions. Each session had two speakers, and each session was chaired by a graduate student. The purpose of having graduate students chair sessions was to prepare them to organize scientific activities in their future. Six students contributed to this graduates' workshop. Of these six students, five were from the Department of Mathematics and Statistics and one was a senior level undergraduate student from the Mechanical Engineering department. Each speaker at the workshop was given 25 minutes to present his research, with five minutes for discussions. The presentations covered topics in Statistics, Applied Mathematics, and Semi modules.

The workshop was attended by a large number of faculty from the Department of Mathematics and Statistics, visitors from outside the Kingdom, and faculty and students from throughout KFUPM.

All three sessions of the workshop were immensely involved. The level of presentations was extremely high, and the discussion sessions were interesting and very extensive. A general perception of the attendees was that this workshop was a great success and it was suggested that this activity should be made a regular yearly feature of the Department of Mathematics and Statistics.

Towards the end of the workshop, Dr. Husain Salem Alattas, chairman of the department, thanked the Graduates' Program Enhancement Committee for taking the initiative to hold the first Graduates' Workshop in the department. To recognize their efforts and excellent presentations, the chairman awarded certificates of participation to all participating students. The workshop was concluded with a recommendation that the second Graduates' Workshop will be held in the first semester of the academic year 2018-19.

Stochastic Differential Equations and Applications

A workshop on 'Stochastic Differential Equations and Applications' was organized by the Math and Statistics Department on 27 November 2017. It was the first workshop of its kind ever organized in the department. This was planned and arranged by Dr. Boubaker Smii, Associate Professor of the department, who is an expert in the area of Stochastic Differential Equations and Applications.

The key objective of holding the workshop was to present current findings in the research area of stochastic analysis. Major discussions dealt with stochastic differential equations, the interplay between these areas, and some of their applications (e.g. financial mathematics and petroleum engineering).

The workshop was attended by a large number of researchers from local and international universities. As many as seven presentations were made in two technical sessions held in the morning and evening. The eminent speakers who presented their work were from prominent universities in UK, Germany, and Saudi Arabia.

Dr. Boubaker Smii gave the welcome address to the participants. Dr. H. Al-Attas, Chairman, Math and Statistics department, formally opened the workshop.

The workshop offered a great opportunity to the participants to engage in fruitful discussions and the exchange of recent research in the field of Stochastic Differential Equations and its Applications. All participants were fully satisfied with the meeting and look forward to having the next workshop in the near future.