

**INSTITUTE OF MATHEMATICAL SCIENCES  
UNIVERSITI MALAYA**

**SIRI SEMINAR KUMPULAN PENYELIDIKAN**

**Title:** Numerical approximation of fractional neutral functional  $q$ -differential equations.  
**Speaker:** Associate Professor Dr. Zailan Siri.  
**Date:** 26/1/2024.  
**Time:** 3.00 pm – 4.00pm.  
**Venue:** MM3, Level 2, Institute of Mathematical Sciences, Faculty of Science.

**ABSTRACT**

The objective of this study is to obtain the existence of solution of single fractional neutral functional  $q$ -differential equations with bounded delay based on operator equations by using Krasnoselskii's fixed point theorem. At the end, the numerical examples are simulate to show applications of the results.

*All are Welcome*