

**INSTITUT SAINS MATEMATIK  
UNIVERSITI MALAYA  
SIRI KOLOKIU**

**Tajuk:** Harmonic analysis on topological groups  
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**Masa:** 10:00 am – 11:00 am

**Abstract**

We introduce the concept of locally compact groups and give a review on banach algebras on locally compact groups. the main ingredient is a translation invariant radon measure (called the *haar measure*). These algebras include the group algebra, convolution measure algebra, and group  $c^*$ -algebras. We also briefly review topological and  $c^*$ -dynamical systems (with actions of groups by automorphisms) and their corresponding crossed products.

**SEMUA DIJEMPUT HADIR**