

# SCMS Seminar

## AMENABILITY AND MAXIMAL AND REDUCED C\*-ALGEBRAS

**Speaker: Professor Rufus Willett**

**University of Hawaii**

**Time:** 14:00 p.m.-15:00 p.m., Thursday, June 23, 2016

**Venue:** Room 2001, East Guanghua Tower (Main), Fudan University

**Abstract:** It is a classical theorem of Hulanicki from the 60s that a group is amenable if and only if its maximal and reduced C\*-algebras are the same. Similarly, if a groupoid is amenable, Renault showed around 1980 then its maximal and reduced C\*-algebras are the same.

In this talk I'll discuss all this, and show that the converse to Renault's theorem is false. I won't assume any background in amenability or groupoids (or groupoid C\*-algebras).