AMI VISELTER, University of Alberta
Locally compact quantum groups and amenability

In this talk we will introduce the Kustermans-Vaes definition of locally compact quantum groups (LCQGs), and discuss a few specific types of LCQGs. Afterwards, we will review the definition of amenability for locally compact groups, present its generalization(s) to LCQGs, and relate several problems of current research connected with these notions.