Title: Crossed products of operator spaces and approximation properties

Speaker: Dimitris Andreou (NKUA)

Abstract: We will discuss two notions of crossed product for group actions as well as coactions on dual operator spaces, which generalize the usual von Neumann algebra crossed product. The goal is to describe certain group approximation conditions, such as the Haagerup-Kraus approximation property and Ditkin's condition at infinity, through properties of the associated crossed product functors.