Title: An Introduction to Flag Algebras

Speaker: Fernando Oliveira (TU Delft)

Abstract: Flag algebras, introduced by A. Razborov, have allowed for the systematic use of optimization tools, namely semidefinite programming, in extremal graph theory, leading to many new results. In this talk I will give a quick introduction to the theory of flag algebras and relate it to the Lasserre hierarchy of semidefinite programming.