Oliver Dragičević, University of Ljubljana: Trilinear embedding theorem for elliptic partial differential operators in divergence form with complex coefficients

ABSTRACT: We introduce the notion of p-ellipticity of a complex matrix function and discuss basic examples where it plays a major role, as well as the techniques that led to the introduction of the notion. In the last part of the talk we focus on a so-called trilinear embedding theorem for complex elliptic operators and its corollaries.