

## On de Branges-Rovnyak spaces and their Properties

*Bartosz Lanucha (Maria Curie-Skłodowska University, Lublin, Poland)*

De Branges-Rovnyak spaces are a class of reproducing kernel Hilbert spaces determined by contractive analytic functions. In this talk we present selected insights into properties of these spaces, with particular focus on generalizing known orthogonal decompositions to cases where the contractive function takes specific forms involving inner functions.

The talk is based on joint work with Małgorzata Michalska and Maria Nowak.