



Analysis Seminar

“Shift Operators on Harmonic Function Spaces II”

By

H. Turgay Kaptanoğlu (Bilkent)

Abstract: The talk is a continuation of the previous presentation.

In an attempt to identify the harmonic Drury-Arveson space, we introduce a whole new family of reproducing kernel Hilbert spaces of harmonic functions on the unit ball of \mathbb{R}^n . We also define and derive basic properties of shift operators on these spaces. We show that the norm of one of these spaces is maximal among those with a certain type of reproducing kernel and on which the shifts are a row contraction.

This is ongoing joint work with Daniel Alpay of Chapman University.

Date: Tuesday, March 26, 2019

Time: 16:00-17:00

Place: Mathematics Seminar Room, SA – 141

Tea and cookies will be served before the seminar.