Department of Mathematics

University of Houston

Analysis Seminar

FRIDAY, October 27, 2017

13:00-14:00 - Room 646 PGH

Speaker: Zhenhua Wang (University of Houston)

Title: Introduction to Jordan Operator Algebras

Abstract: A Jordan operator algebra is a norm-closed spaces of operators on a Hilbert space which is closed under Jordan product. Jordan operator algebras arose in the work of Jordan, Von Neumann and Wigner on the axiomatic foundations of quantum mechanics. In this talk, we will discuss abstract characterization of Jordan operator algebras, universal algebras of Jordan operator algebras, contractive approximate identities and Cohen Factorization for Jordan modules. In the second half of the talk, we will talk about hereditary subalgebras and open projections in Jordan operator algebras. This is joint work with David Blecher.