RUHAN ZHAO, SUNY Brockport
On Berezin type operators and Toeplitz operators

In this talk we introduce a type of integral operators associated with a positive measure and resembling the Berezin transforms on the unit ball. Boundedness and compactness of these Berezin type operators between weighted Bergman spaces are characterized using Carleson measures. It has been found that the results are closely relative to those of Toeplitz operators between weighted Bergman spaces. This is a joint work with Gabriel Prajitura and Lifang Zhou.