

BARCELONA ANALYSIS SEMINAR

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Title: Toeplitz operators on Bergman spaces

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Abstract: Toeplitz operators are one of the most widely studied classes of concrete operators. In this talk we will discuss the question of boundedness and compactness of Toeplitz operators with L^1 symbols on Bergman spaces (L^p_a , $p > 1$) in the unit ball of C^n . We provide here a general approach to find a set of symbols for which we are able to characterize the boundedness (resp. compactness) on L^p_a of the associated Toeplitz operators. These generalize and improve previous results of N. Zorboska, J. Miao and D. Zheng. This talk is based on joint work with D. Agbor.