

# İSTANBUL ANALYSIS SEMINARS

## FUNCTION SPACES OF EXPONENTIAL GROWTH ON A HALF-PLANE, ZERO-SETS AND APPLICATIONS

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**Abstract:** We introduce a new class of spaces of mixed Hardy-Bergman type on a half-plane. We study some functional properties of these spaces, and their zero-sets. We apply these results to the Müntz-Szász problem for the Bergman space. We also discuss the question of describing invariant subspaces, in analogy with the classical theorems of Buerling and Lax. (Joint work in progress with M. Salvatori.)

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**Time:** 15:40

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Bankalar Caddesi 2, Karaköy 34420, İstanbul

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