

# İSTANBUL ANALYSIS SEMINARS

## APPROXIMATION OF ALMOST PERIODIC FUNCTIONS

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**Abstract:** The base of this talk is to investigate the best approximation between, for instance, the vector space spanned by the functions  $\{\exp(2ia_kx) \mid a_1, \dots, a_n \text{ irrational}\}$  and the continuous functions of period 1. First, a survey of the notion of almost periodicity will be given and the general case of functions will be studied.

The last part is dedicated to the correspondence between the functions defined on a locally compact abelian group and the functions defined on the associated Bohr group.

This is joint work with Noli REYES (University of the Philippines, Manila).

**Date:** December 3, 2010

**Time:** 15:40

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Bankalar Caddesi 2, Karaköy 34420, İstanbul