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İSTANBUL DISCRETE MATHEMATICS MEETINGS

TILINGS AND PACKINGS OF THE  $n$ -SPACE  
BY CUBES WITH APPLICATIONS IN CODING  
AND GRAPH THEORY

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**Abstract**

Tilings and packings of the  $n$ -dimensional Euclidean space with unit cubes and clusters composed of them will be discussed. Applications comprise the efficient placement of resources in computer science, integer codes for error correction, and an equivalent model for the Shannon capacity of odd cycles.

**Date:** Friday, March 26, 2010

**Time:** 11:00

**Place:** IMBM Seminar Room, Boğaziçi University