



istanbul matematiksel bilimler merkezi
istanbul center for mathematical sciences

WORKSHOP ON GRAPH THEORY AND ITS APPLICATIONS - V

27 - 28 November 2015

November 27th, Friday:

10.00-11.00 / *Coffee Break* / 11.15-12.15 *Invited Speaker*

Christophe Paul (CNRS, Université Montpellier, France)

Introduction to Parameterized Complexity and Some Algorithmic Consequences of the Graph Minor Theory.

12:15-14:00 *Lunch Break*

14.00-14.25 Arman Boyacı *The Maximum Cardinality Cut Problem in Co-Bipartite Chain Graphs.*

14.25-14.50 Hadi Alizadeh *Minimizing Signaling Overhead in Green Routing for Software Defined Networks.*

14.50-15.15 Oğuz Doğan *Resolvable 4-Cube Systems in Complete and Multipartite Graphs.*

15.15-15.30 *Coffee Break*

15.30-15.55 Selim Bahadır *A Classification of Isomorphism-Invariant Random Digraphs.*

15.55-16.20 Hande Tunçel Gölpek *On the Spectrum of the Normalized Laplacian for Signed Graphs: Interlacing, Contraction, and Replication.*

16.20-16.45 Mehmet Ümit Gürsoy *Graph Similarity*

November 28th, Saturday:

10.00-11.00 / *Coffee Break* / 11.15-12.15 *Invited Speaker*

Martin Milanic (University of Primorska, Slovenia)

Graph Classes: From Practice to Theory.

12:15-14:00 *Lunch Break*

14.00-14.25 Oylum Şeker *The Minimum Cost Perfect Matching and Maximum Weight Matching Problem with Conflict Pair Constraints*

14.25-14.50 Betül Ahat *Integer Programming Formulations for Maximum Induced Matching Problem*

14.50-15.15 Zakir Deniz *Edge-Stable Equimatchable Graphs*

15.15-15.30 *Coffee Break*

15.30-15.55 Tatiana Hartinger *On the Structure of 1-Perfectly Orientable Graphs*

15.55-16.20 Yasemin Büyükçolak *Extension of Dirac's Theorem on Hamiltonicity*

Place : IMBM Seminar Room, Boğaziçi University South Campus

