TÜRK MATEMATİK DERNEĞİ

PROGRAM

October 14, 2022, Friday (VYKM-4)

10.00-12.15 : Invited Lecture

Fabio Furini (Sapienza University of Rome, Italy)

Integer Programming Techniques for Maximum Clique Interdiction Problems

12.15-14.00: *Lunch Break*

14.00-16:30: Presentations (Each takes 25 minutes)

- Ali Erdem Banak, "Maximum number of edges in triangle-free graph with bounded maximum degree and matching number using integer programming", Boğaziçi University, Department of Industrial Engineering

- Özlem Salehi, "An application of zero forcing sets in quantum computing", Institute of Theoretical and Applied Informatics, Polish Academy of Sciences

- Aslıhan Gür, "Zero forcing in graphs", Gebze Technical University, Department of Mathematics

- Ahmet Batal, "Effects of edge addition or removal on the nullity of a graph in the Lights Out game", İzmir Institute of Technology, Department of Mathematics

- Mehmet Aziz Yirik, "Chemical graph generators", University of Southern Denmark, Department of Mathematics and Computer Science

- Yasemin Büyükçolak, "Properly colored Hamiltonian paths in edge-colored complete bipartite graphs", Gebze Technical University, Department of Mathematics

October 15, 2022, Saturday (VYKM-2)

10.00-12.15: Invited Lecture

Bertrand Jouve (Toulouse Jean Jaurès University, France)

Assortativity in Graphs

12.15-14.00: *Lunch Break*

14.00-16:30: Presentations (Each takes 25 minutes)

- Elif Emine Erdem, "Money laundering detection in cryptocurrency networks", Boğaziçi University, Department of Industrial Engineering

- İbrahim Günaltılı, "Basic properties of finite linear graphs", Osmangazi University, Department of Mathematics

- Masood Ur Rahman, "Integrable trees with smallest eigenvalue −3", Selçuk University, Department of Mathematics

- Arsen Berk Tekdaş, "Ramsey theory and random graphs", METU, Department of Mathematics

- Ali Gökhan Ertaş, "On the basic properties of circular graphs", Kütahya Dumlupınar University, Department of Informatics

- Mohammed Saad Al-Sharafi, "Generalized topological Descriptors of Chain Biphenylene Graphs", Yıldız Technical University, Department of Mathematics