A STORY ABOUT THE RELOAD COST CONCEPT

by

Didem Gözüpek

Date and Time: March 29th, 2017 (Wednesday), 13:00
Place: Room 207, Computer Engineering Building, GTU

All interested are cordially invited.

ABSTRACT:

In an edge-colored graph, reload costs occur at a vertex along a path when two consecutive edges have different colors. The value of the reload cost depends only on the colors of the traversed edges. The reload cost concept has important applications in many areas such as transportation networks, dynamic spectrum access networks, and heterogeneous networks. In this talk, I will discuss several research directions we focused on for the past 8 years about the reload cost concept and possible future research directions.

BIOGRAPHY:

Didem Gözüpek is an Associate Professor in the Computer Engineering Department of Gebze Technical University. She received the B.S. degree in Telecommunications Engineering from Sabancı University in 2004 and the M.S. degree in Electrical Engineering from New Jersey Institute of Technology (NJIT), USA, in 2005, and the Ph.D. degree in Computer Engineering from Boğaziçi University in 2012. From 2005 to 2008, she worked as an R&D engineer in a telecommunications company in Istanbul. Her main research interests are structural and algorithmic graph theory, approximation algorithms, and optimization problems in communication networks. Dr.Gözüpek received the CAREER Award from the Scientific and Technological Research Council of Turkey (TÜBİTAK) in 2014, the Dr.Serhat Özyar Young Scientist of the Year Honorary Award in 2013, the Boğaziçi University Ph.D. Thesis Award in 2012, and Aselsan Ph.D. Fellowship in 2011. She was a finalist for the Google Anita Borg Memorial Scholarship in 2009.