



FEZA GÜRSEY
CENTER FOR
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Finite Automata as Verifiers of Proofs

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Abstract: An interactive proof system is characterized by the computational abilities of its two components (called the "prover" and the "verifier") and the nature of the interaction between them. The verifier is the weaker party, who is supposed to be able to check the claims of the more powerful prover. We focus on the weakest possible kind of computational model, namely, the finite automaton, in the role of the verifier. We will provide an overview of the literature and talk about recent work involving new concepts, like constant-randomness machines and thermodynamic complexity considerations.

Date: Thursday, May 16, 2024, 13:30 (Part of "Graphs, Groups, and Automata" workshop)

Location: Boğaziçi University, Kandilli Campus, Üsküdar-İstanbul