



Fakultät für Ingenieurwissenschaften, Informatik und Psychologie

Informatik-Fachvortrag

Mittwoch, den 30. September 2026, 10:30 Uhr

Universität Ulm, Oberer Eselsberg

Gebäude O28, Raum 1002

Herr Prof. Dr. Rohit Gurjar

Indian Institute of Technology Bombay (IITB)

spricht zum Thema

A deterministic parallel algorithm for bipartite matching

The bipartite matching problem is one of the most extensively studied problems in algorithms and complexity theory. Beyond numerous practical applications such as assigning tasks to suitable machines, its study has led to several influential ideas in the field. In this talk, we will review the history of the problem from the perspective of parallel algorithms and discuss a recent result that gives the first deterministic parallel algorithm for it, settling a question that had remained open for more than four decades. We will also mention some extensions of the result which use the same techniques.

Based on joint work with Abhranil Chatterjee, Sumanta Ghosh, Roshan Raj, and Thomas Thierauf.

Es laden ein die Dozenten der Fakultät für Ingenieurwissenschaften, Informatik und Psychologie.

Ulm, den 17.09.2026

gez. Prof. Dr. Jacobo Torán