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Fakultät für Ingenieurwissenschaften, Informatik und Psychologie
Informatik-Fachvortrag

Montag, den 25. November 2024, 15:00 Uhr
Universität Ulm, Oberer Eselsberg
Gebäude O27, Raum 531

Herr Dr. Pranjal Dutta

School of Computing, National University of Singapore

spricht zum Thema

**Algebraic Foundations in Computation:
Applications and Key Challenges**

We live in a world where the quest for efficient computation is indispensable. Understanding the amount of resource (e.g., time, space) required to solve a given computational problem on models of computation (e.g., Turing machines) underlies much of Computational Complexity Theory. In this talk, we will primarily be interested in the efficient computation of polynomials, and their importance in the broad aspects of computer science. En route, we will discuss some natural computational problems and their state-of-the-art like lower bounds, polynomial factorization, and algebraic approximations.

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

Ulm, den 18.11.2024

gez. Prof. Dr. Thomas Thierauf