

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE  
UNIVERSITY OF SOUTHERN DENMARK, ODENSE

# COMPUTER SCIENCE COLLOQUIUM

## Approximate Graph Products

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Auditorium U49B

**Abstract:**

Graphs arising in practical application often arise as perturbed product structures. This talk presents an algorithm that recognizes a large class of approximate graph products.

The main part of this talk is concerned with a new, local prime factorization algorithm that factorizes all strong products on an extensive class of graphs, the so called *NICE* graphs. We will also discuss the problems that arise by the consideration of *nonNICE* graphs.

Host: Daniel Merkle