Informatik-Kolloquium

Rheinisch-Westfälische Technische Hochschule Aachen
Lehr- und Forschungsgebiet Theoretische Informatik

EINLADUNG

Zeit: Donnerstag, 14. Februar 2002, 17.00 Uhr

Ort: Hörsaal AH I, Ahornstr.55

Referent: Stephane Demri,
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Thema: A Parametric Analysis of the State Explosion Problem in Model Checking

Abstract:

In model checking, the state explosion problem occurs when one checks a non-flat system, i.e. a system implicitly described as a synchronized product of elementary subsystems. In this paper, we investigate the complexity of a wide variety of model checking problems or non-flat systems under the light of parameterized complexity, taking the number of synchronized components as a parameter. We provide precise complexity measures (in the parameterized sense) for most of the problems we investigate, and evidence that the results are robust. This is a joint work with Francois Laroussinie and Philippe Schnoebelen.

Es laden ein: Die Dozenten der Informatik