

INVITATION

On behalf of Department of Computer Science, Aarhus University, you are cordially invited to the

Inaugural Lecture of Professor Jaco van de Pol

Friday 16 November at 15.15
Finlandsgade 21, 8200 Aarhus N., Building 5335-016 (Peter Bøgh Aud.)

After the lecture, there will be a reception outside the auditorium

Programme

15.15

Welcome and introduction by Head of Department, Professor Kaj Grønbæk

15.20

Lecture by Professor Jaco van de Pol

16.00

Reception

Appetizer

The digital society, including our personal life, depends increasingly on software. Software errors are annoying, hinder productivity, screw up our security, and even lead to loss of lives in the case of safety-critical systems. Why is not all software formally verified? We will review the current status of automated verification techniques, in particular model checking. This is an exhaustive procedure to automatically check temporal requirements on finite (abstractions of) systems. The main bottleneck is the complexity and state space explosion of the systems under investigation. This is typically addressed with clever algorithms and logical reasoning.

The lecture will be in English

Kind regards,



Kaj Grønbæk
Head of Department, Professor

