

Curriculum Vitae

Personal information

Born May 30, 1950 in Hjørring, Denmark.

Married with Iben Antonsen.

Current position

Professor at Department of Computer Science, Aarhus University.

Academic degrees

Dr. Scient. in Computer Science, Aarhus University, 1995: "Coloured Petri Nets".

Ph.D. in Computer Science, Aarhus University, 1980: "Net Models in System Development".

Cand. Scient. in Computer Science, Mathematics and Physics, Aarhus University, 1976.

Research areas

Coloured Petri Nets. Basic net models, hierarchical nets, analysis methods, computer tools and industrial applications.

Earlier, I have also worked with formal semantics, net equivalences and social impacts of computers.

Major projects

The CPN Centre on the use of Coloured Petri Nets for modelling, validation, and capacity planning of concurrent and distributed systems.

The CPN Tools project on the development of computer tools for Coloured Petri Nets.

The DEVISE project establishing a centre for Experimental System Development at the Computer Science Department, Aarhus University. Supported by the Danish National Science Research Council.

The DESIGN/CPN project on the development of computer tools for Coloured Petri Nets.

The UTOPIA project on the development of skill based, user oriented systems and education for the graphics industry. Supported by the Danish Council of Technology.

A project on the impact of computer systems on the service and work conditions in libraries. Supported by the Danish Research Libraries.

Teaching experience

Since 1976, teaching and supervising computer science at all levels. Teaching areas include Petri nets, distributed systems, formal semantics, and social impacts of computers.

Tutorials at more than 25 conferences, workshops, and advanced courses.

Academic services

Head of the Steering Committee for the International Petri net Community (2004-2011).

Member of the Steering Committee for the International Petri net Community (1985-2013).

Member of approximately 30 program committees and international committees, primarily within Petri nets; three times as PC-chairman and three times as organising chairman.

Referee for at least 25 different international journals.

Publications and invited talks

Author of four monographs on Coloured Petri Nets.

Invited talks at Petri Nets 1989, Euromicro 1996, TACAS 1997, Petri Nets 2003, and JAOO 2006 plus conferences in Mexico and Brazil.

Editor-in-chief for Transactions on Petri Nets and Other Models of Concurrency.

Member of the Editorial Board for the Software Tools for Technology Transfer journal (1998-2013).

Editor of four special sections on Coloured Petri Nets and high-level Petri Nets in the Software Tools for Technology Transfer journal.

Editor of two special sections on Tools and Algorithms for the Construction and Analysis of Systems in Theoretical Computer Science and the Software Tools for Technology Transfer journal.

Author or more than 40 papers in journals and other strictly refereed publications.

15,000 citations.

Positions held

1999 -- Professor, Department of Computer Science, Aarhus University .

1998-2014 Head of Department of Computer Science, Aarhus University.

1990-99 Associate Professor, Department of Computer Science, Aarhus University.

1988-90 Senior Research Officer, Meta Software, Massachusetts, USA.

1981-88 Associate Professor, Department of Computer Science, Aarhus University.

1978-80 Scholarship, Department of Computer Science, Aarhus University.

1976-77 Assistant Professor, Department of Computer Science, Aarhus University.

Other interests

Agility for Dogs (3 Danish Championships and participation on national teams).

Orienteering Racing(3 Danish Championships and participation on national teams).

Curriculum Vitae

Kurt Jensen is professor at the Department of Computer Science at Aarhus University, Denmark.

Kurt Jensen is the "father" of Coloured Petri Nets. He made the initial definition of the CPN language, including the hierarchy constructs that allow a Petri net model to consist of a set of cooperating sub-models. He played a key role in the development of analysis methods and tool support for high-level Petri Nets, in particular place invariants and state spaces. He was the first to exploit symmetry to reduce state spaces and he also got the basic idea behind the more recent sweep-line method.

Kurt Jensen is the founder of the CPN group at Aarhus University , Denmark. The group was considered to be the world-leader with respect to the practical application of high-level Petri Nets. The group made the Design/CPN tool, which was licensed to 1,000 organisations in 60 countries. The group has also developed CPN Tools, which is the "successor" of Design/CPN. It has more than 10,000 licenses in 150 countries.