

2015 - co-organisator of the congress about education (education in 2030; 8 april 2015 in Groningen) 2014 - co-organisator of the congress about education of academyNoord (online developments in education; 20 February 2014 in Groningen) 2013 - organizer Dutch Testing Day (21 November 2013 in Groningen) 2007 - 2008 Demand manager of the faculty in the new ict-organisation of the university. 2005 - now Staff member information services and technology at the Faculty of Mathematics and Natural Sciences. 2003 - 2008 Faculty web coordinator at the Faculty of Mathematics and Natural Sciences, Groningen 2002 - now member of the board (secretary) of st. NIOC. 2000 - 2003 ICT/CBT-coordinator at the Faculty of Mathematics and Natural Sciences, Groningen 1997 - 2000 Scientific coordinator at the department of Mathematics and Computing Science 1989 - now Assistant professor at the Department of Computing Science 1983 - 1989 Researcher / PhD at the Department of Computing Science, Groningen 1976 - 1983 student Mathematics at the University of Groningen 1970 - 1976 Secondary school - Atheneum B

Research interests

Education

I am interested in computer science education and been member of the board of NIOC since 2002.

Most appreciated course is the student colloquium, where we simulate a real CS conference for master students. We also produce conference proceedings and have a hall of fame for best presentations and best paper.

Software engineering

My current field of interest is software engineering, especially software architectures and product lines. A joint publication is [BBS]. In [GSB01] some ideas about fragments, i.e. a means to support architecture design, are shown.

Within education I am involved in object oriented techniques (in programming, analysis, design), UML, UP, Java etc.)

Discrete Event Systems

I have also done research in the field of discrete event systems (DESs). A DES is a system, in which events can happen. An event is some action, occurring at some time (but without any duration). A DES can be modeled by a triple, consisting of an alphabet (representing all possible events), a behaviour set (all possible sequences of events), and a task set (all possible sequences that lead to completed behaviour).

Theory has been developed about cooperation of such systems. Especially, questions about controlling DESs can be answered. Controllers can be computed to get a controlled system that act as prescribed and/or to avoid ending in deadlock.

DESs play an important role in many applications, like flexible manufacturing systems, computer networks, communication and protocol design, VLSI design and traffic systems.

This research has resulted in a PH.D.thesis and a couple of publications (most important ones: [SpSm] [SSR] [Sme19] [Sme17] [Sme16] [Sme10]).

A first workshop on the field has been organized together with Petr Kozák (Institute of Information Theory and Automation, Czech Academy of Sciences, Prague) in August 1992 in Prague [WODES92] and a second workshop has been organised in 1996 in Edinburgh, Scotland, see [WODES96]. A third was organized in Cagliari, see [WODES98] and a next one in Gent, Belgium. During WODES2000 and the conference in Spain in 2002, I was a member of the WODES-steering group.

A website with all WODES information is available through this link.

I have cooperated with Michael Spathopoulos (University of Strathclyde, Glasgow, UK). In the period 1994-1999, joint research is done in the fields of decentralized and distributed controllers for discrete event systems, using hierarchical and distributed structures and study on how this theory can be applied in control problems for flexible manufacturing and traffic systems.

Within the framework of Research Networks, Training and Mobility of Researchers, a programme of the European Commission, Directorate General XII, the ALAPEDES project has started in october 1996 and was finished in 2001.

Citation

In Dutch Dictionary "Dikke van Dale": roker (de (m.); vgl. -er), rookster (de (v)) 1. iem. die tabak, sigaren, sigaretten of een pijp rookt, pleegt te roken: hij is een matig, een sterk, een zware roker; aangezien niet-rokers ook in het bijzijn van rokers niet roken zouden rokers bij niet-rokers ook niet mogen roken (Smedinga); (uitdr.) een tevreden roker is geen onruststoker; -- ook in samenst. als: hasjroker, opiumroker, pijproker, sigarenroker, sigarettenroker 2. iem. die vis, vlees enz. rookt; -- ook in samenst. als: haringroker, palingroker, visroker, vleesroker, zalmroker.