

# Curriculum Vitae

Prof.dr. *Henderik A. Proper*

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## 1 Details

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## 2 Career overview

Prof.dr. Henderik A. Proper, Erik for friends, is Head of Academic Affairs of at the Luxembourg Institute of Science and Technology (LIST) in Luxembourg, and senior research manager within its IT for Innovative Services (ITIS) department. He also holds a chair in Information Systems at the Radboud University Nijmegen. Furthermore, he chairs the Enterprise Engineering research network involving researchers from a.o. these two institutions

Erik has a mixed background, covering a variety of roles in both academia and industry. His professional passion is the further development of the field of enterprise engineering, and enterprise modelling in particular. His long experience in teaching and coaching a wide variety of people enables him to involve and engage others in this development. He has co-authored several journal papers, conference publications and books. His main research interests include enterprise engineering and enterprise modelling, which includes enterprise architecture, systems theory, business/IT alignment and conceptual modelling.

Erik received his Master's degree from the University of Nijmegen, The Netherlands in May 1990, and received his PhD (with distinction) from the same University in April 1994. In his Doctoral thesis he developed a theory for conceptual modelling of evolving application domains, yielding a formal specification of evolving information systems.

After receiving his PhD, Erik became a senior research fellow at the Computer Science Department of the University of Queensland, Brisbane, Australia. During that period he also conducted research in the Asymetrix Research Lab at that University for Asymetrix Corp, Seattle, Washington. In 1995 he became a lecturer at the School of Information Systems from the Queensland University of Technology, Brisbane, Australia. During this period he was also seconded as a senior researcher to the Distributed Systems Technology Centre (DSTC), a Cooperative Research Centre funded by the Australian government.

From 1997 to 2001, Erik worked in industry. First as a consultant at Origin, Amsterdam, The Netherlands, and later as a research consultant and principal scientist at the Ordina Institute for Research and Innovation, Gouda, The Netherlands.

In June 2001, Erik returned to academia, where he became an adjunct Professor at the Radboud University Nijmegen. In September 2002, Erik obtained a full-time Professorship position at the Radboud University Nijmegen.

In January of 2008, he went back to combining industry and academia, by combining his Professorship with consulting and innovation at Capgemini, with the aim of more tightly combining his theoretical and practical work. Finally, in May 2010 Erik moved to the Luxembourg Institute for Science and Technology, Luxembourg, where he now leads the Enterprise Engineering network ([www.ee-network.org](http://www.ee-network.org)), while also continuing his chair at the Radboud University, Nijmegen, the Netherlands.

### 3 Profile

Erik has a mixed background, which covers a variety of roles in both academia and industry. His professional passion is the further development of the field of enterprise engineering & architecting. His long experience in teaching and coaching a wide variety of people enables him to involve and engage others in this development.

Erik thrives in an environment where there is no obvious answer to a problem at hand, or where the very problem itself is still unclear. In such situations, he will typically take the lead in clarifying the problem at hand and finding the best way to move towards finding a satisfying solution within the time given. He has the ability to quickly bring order to chaos, and to swiftly home in on the key issues.

Erik prefers to operate in a team of professionals in which solutions to problems can be created, scrutinized and improved in an open and collaborative atmosphere.

### 4 Research drive and research interests

Erik's core research drive is the development of *theories that work*. In other words, Erik focuses on research that leads to results that both have theoretical rigour and practical *relevance*. His preferred domain of research are the foundations and applications of conceptual modelling, in particular *enterprise modelling* in the context of *enterprise engineering*.

Specific topics of interest, include:

1. enterprise modelling,
2. enterprise engineering & architecting,
3. collaborative modelling,
4. modelling languages,
5. regulatory modelling,
6. business rules modelling and
7. business process modelling.

As a result of his focus on *rigour* and *relevance*, Erik is keen on working along two lines. He strongly believes a combination should be made between practical insights gained from real world experiences in *practice* and a sound grounding in *theory*.

## 5 Academic education

- **Degree:** PhD Computer science (Cum Laude = with distinction)  
**Institute:** Radboud University, Nijmegen, the Netherlands  
**Year:** 1994
- **Degree:** MSc Computer Science  
**Institute:** Radboud University, Nijmegen, the Netherlands  
**Year:** 1990

## 6 Additional training & certification

- **Degree:** TOGAF 9 certification  
**Institute:** Capgemini  
**Year:** 2009
- **Degree:** TOGAF 8 certification  
**Institute:** Capgemini  
**Year:** 2008
- **Degree:** IAF essentials  
**Institute:** Capgemini  
**Year:** 2008
- **Degree:** Presentation techniques  
**Institute:** Winner  
**Year:** 2001
- **Degree:** Consultancy techniques  
**Institute:** Alfabeeld  
**Year:** 2000
- **Degree:** Domain engineering  
**Institute:** Synquiry  
**Year:** 1998
- **Degree:** ORM consultant  
**Institute:** InfoModeler Inc.  
**Year:** 1997
- **Degree:** CASE Tools  
**Institute:** PAO-Informatica  
**Year:** 1991
- **Degree:** Reasoning mechanisms for AI  
**Institute:** PAO-Informatica  
**Year:** 1991

## 7 Competencies

- Leadership
- Analyse and solve problems

- Communication
- Teaching and coaching
- Creative & adaptive
- Stamina
- Quality driven
- Team player, but not team dependent

## 8 Command of languages

Language	Reading	Speaking	Writing
Dutch	Fluent	Fluent	Fluent
English	Fluent	Fluent	Fluent
German	Fluent	Good	Good

## 9 Industrial expertise

Working experience in the following branches:

- Government
- Banks
- Tool suppliers
- Educational and research institutes

## 10 Experience overview

- Enterprise engineering
- Enterprise architecture
- Enterprise modelling
- Method engineering
- Conceptual modelling
- A variety of methods and techniques related to the following fields:
  - domain modelling
  - enterprise modelling
  - architecture modelling
  - information modelling
  - process modelling
  - workflow modelling
  - requirements engineering

- information retrieval
- knowledge discovery
- knowledge management
- business-IT alignment
- application development under architecture
- information services procurement
- Analysis & design of systems
- Service product development
- Consultancy
- Supervision of students and co-workers
- Presentation of results
- Lecturing
- Organising workshops
- Reporting and publishing

## 11 Awards and distinctions

- In November 2012: Awarded the *“IFIP Outstanding Service Award”*, recognising his many years of service to IFIP Working Group 8.1, its associated events, and the wider IFIP community.
- In October 1999: Awarded the *“Best Lecturer Business-Informatics 1998/1999 award”* for a lecture series on Software Engineering at the University of Tilburg, the Netherlands.
- In October 1994: PhD received the *“SNS Bank”* award.
- In April 1994: PhD received the predicate Cum Laude (= with distinction) from the Radboud University, Nijmegen, the Netherlands.

## 12 Employment

- **Employer:** Luxembourg Institute for Science and Technology, Luxembourg  
**Function:** Head of Academic Affairs & Senior Research Manager  
**Period:** May 2010 – Present
- **Employer:** Radboud University, Nijmegen, the Netherlands  
**Function:** Part-time Professor  
**Period:** January 2008 – Present
- **Employer:** Capgemini, Utrecht, the Netherlands  
**Function:** Principal Consultant  
**Period:** January 2008 – April 2010
- **Employer:** Radboud University, Nijmegen, the Netherlands  
**Function:** Full-time Professor  
**Period:** June 2001 – December 2007

- **Employer:** Ordina Institute, Gouda, the Netherlands  
**Function:** Partner & Principal Scientist  
**Period:** June 1998 – August 2001
- **Employer:** Origin, Amsterdam, the Netherlands  
**Function:** Architect/Consultant  
**Period:** June 1997 – June 1998
- **Employer:** Distributed Systems Technology Centre (DSTC), Brisbane, Australia  
**Function:** Researcher, seconded from  
Queensland University of Technology, Brisbane, Australia  
**Period:** October 1995 – June 1997
- **Employer:** Queensland University of Technology, Brisbane, Australia  
**Function:** Lecturer  
**Period:** October 1995 – June 1997
- **Employer:** Asymetrix, Bellevue, Washington, USA  
**Function:** Research consultant  
**Period:** June 1994 – February 1995
- **Employer:** University of Queensland, Brisbane, Australia  
**Function:** Senior research fellow  
**Period:** May 1994 – October 1995
- **Employer:** Radboud University, Nijmegen, the Netherlands  
**Function:** Junior researcher (AIO)  
**Period:** May 1990 – May 1994
- **Employer:** HAN University, Arnhem, the Netherlands  
**Function:** Part-time lecturer  
**Period:** September 1992 – December 1993
- **Employer:** Radboud University, Nijmegen, the Netherlands  
**Function:** Several tutorships  
**Period:** September 1991 – June 1994

## 13 Role in standardisation committees

- Member of the Business Architecture Certification working group, The Open Group, August 2009 – Spring 2012.
- Vice-chair of the ArchiMate forum of The Open Group, December 2008 – Spring 2012.
- Co-founder and board member of the Netherlands Architecture Forum (NAF), 2002 – 2003, 2007 – 2010.
- Co-founder, board member and treasurer of the ArchiMate foundation, May 2007 – October 2008.

## 14 Management

- Head of Academic Affairs, Luxembourg Institute for Science and Technology, Luxembourg, September 2016 – present.



- Leader of the *Enterprise Engineering* network, April 2010 – present.
- Vice-chair of the ArchiMate forum of the The Open Group, December 2008 – Spring 2012
- Co-founder and board member of Netherlands Architecture Forum (NAF), 2002 – 2003, 2007 – May 2010.
- Architecture label-leader, Capgemini Academy, Utrecht, The Netherlands, January 2010 – April 2010.
- Leader of the Architecture Service-Line, Capgemini, Utrecht, the Netherlands, September 2008 – April 2010.
- Leader of the Architecture Expert Group within Financial Services, Capgemini, Utrecht, the Netherlands, January 2009 – December 2009.
- Co-founder, board member and treasurer of the ArchiMate foundation, May 2007 – Oktober 2008.
- Program coordinator for the Executive Master on Enterprise Architecture “*Master of Architecture in the Digital World*”, delivered by a consortium of Radboud University, Nijmegen, the Netherlands and Capgemini, Utrecht, the Netherlands, September 2004 – April 2010.
- Leader of the PR revitalisation committee, aimed at the revitalisation of PR activities towards high schools in order to attract more students, NIII, Radboud University, Nijmegen, the Netherlands, Spring and summer 2007.
- Member of Teaching Committee (Onderwijscommissie) of the NIII, Radboud University, Nijmegen, the Netherlands, July 2004 – August 2007.
- Leader of the curriculum development team for the Information Systems Science Program (Curriculum 2003) at Radboud University, Nijmegen, the Netherlands, November 2002 – April 2003.  
In its first accreditation (2007), this program was evaluated as the best among three public Universities in the Netherlands.
- Program coordinator, Information Science Program, Radboud University, Nijmegen, the Netherlands, June 2002 – June 2004.

## 15 Academic leadership

- Head of Academic Affairs, Luxembourg Institute for Science and Technology, Luxembourg, September 2016 – present.
- Member of the advisory committee of Ordina’s GEA (Generic Enterprise Architecting) Innovation Platform, March 2007 – 2012.
- Chair of an accreditation committee of the Dutch/Flemish Accreditation Organisation (NVAO), pertaining to an Executive Master on Information Management, TiasNimbas Management School, Fall 2011.
- Chair of an accreditation committee of the Dutch/Flemish Accreditation Organisation (NVAO), pertaining to a Master program on Public Information Management of the Erasmus Universiteit, The Netherlands, Spring 2011.
- Chair of an accreditation committee of the Dutch/Flemish Accreditation Organisation (NVAO), pertaining to a BSc program on Information Technology, of the Open University, The Netherlands, Fall 2010.

- Chair of an accreditation committee of the Dutch/Flemish Accreditation Organisation (NVAO), pertaining to an MSc program on IT Governance of the Open University, The Netherlands, Spring 2010.
- Member of an accreditation committee of the Dutch/Flemish Accreditation Organisation (NVAO), pertaining to an MSc program on Enterprise IT Architecture from Inno.com in Belgium, Fall 2009.
- Member of an evaluation committee for the promotion of a lecturer to a professorship position, Royal Institute of Technology, Stockholm, Sweden, Spring 2009.
- Co-founder, board member and treasurer of the ArchiMate foundation, May 2007 – Oktober 2008.
- Program coordinator, Master of Architecture in the Digital World (part time program), Consortium of Radboud University, Nijmegen, the Netherlands and Capgemini, Utrecht, the Netherlands, September 2004 – present.
- Theme leader of the Architecture-driven System Development research focus of the post-graduate school: *Research School for Information and Knowledge Systems (SIKS)*, October 2002 – September 2007.
- Leader of the PR revitalisation committee, aimed at the revitalisation of PR activities towards high schools in order to attract more students, NIII, Radboud University, Nijmegen, the Netherlands, Spring and summer 2007.
- Member of Teaching Committee (Onderwijscommissie) of the NIII, Radboud University, Nijmegen, the Netherlands, July 2004 – August 2007.
- Member of the advisory board for the appointment of a Lecturer position within the Security of Systems group, Radboud University, Nijmegen, the Netherlands, 2007.
- Member of the advisory board for the appointment of a Lecturer position within the Security of Systems group, Radboud University, Nijmegen, the Netherlands, 2004.
- Member of the advisory board for the appointment of a Lecturer position within the Information Retrieval and Information Systems group, Radboud University, Nijmegen, the Netherlands, 2004.
- Member of the Information Technology curriculum advisory board for the Hogeschool van Amsterdam/Brabant, Amsterdam, The Netherlands, 2002.
- Member of the advisory board for the appointment of an Associate Professor within the Information Retrieval and Information Systems group, Radboud University, Nijmegen, the Netherlands, 2002.
- Member of the advisory board for the appointment of an Associate Professor within the Software Technology group, Radboud University, Nijmegen, the Netherlands, 2002.

## 16 Taught courses & lectures

- **Title:** Enterprise Architecture Frameworks  
**Period:** 2011 – Present  
**Format:** A one-day lecture as part of an Executive Master in Enterprise IT Architecture  
**Organisation:** University of Antwerp, Belgium

- **Title:** Introduction to Enterprise Architecture  
**Period:** 2011 – Present  
**Format:** A one day lecture block in a Master on Information Management  
**Organisation:** TiasNimbas Business School, the Netherlands
- **Title:** Enterprise Architecture and Security  
**Period:** 2011 – Present  
**Format:** A two day lecture block in an Executive Master on IT Security  
**Organisation:** University of Luxembourg, Luxembourg
- **Title:** Enterprise Architecture  
**Period:** 2011 – 2014  
**Format:** A two day lecture block in a Master on IT Governance  
**Organisation:** Luxembourg Institute for Science and Technology, Luxembourg, Luxembourg
- **Title:** Business Service Innovation  
**Period:** 2014 – 2016  
**Format:** A quarter course in a Master of Business Informatics  
**Organisation:** Radboud University, Nijmegen, the Netherlands, Luxembourg
- **Title:** Enterprise Architecture and Service Innovation  
**Period:** 2012 – 2014  
**Format:** A two day lecture block in a Master on IT and Innovation  
**Organisation:** TU Vienna, Austria
- **Title:** Architecture Principles and IT Governance  
**Period:** Spring 2013  
**Format:** A one day lecture block in an Executive Master on Enterprise Architecture  
**Organisation:** TiasNimbas Business School, The Netherlands
- **Title:** Overview of TOGAF  
**Period:** Spring 2010  
**Format:** Two day workshop  
**Organisation:** Capgemini, Utrecht, the Netherlands
- **Title:** TOGAF 9  
**Period:** Fall 2009, Spring 2010  
**Format:** Four course  
**Organisation:** Capgemini, Utrecht, the Netherlands
- **Title:** ArchiMate  
**Period:** Summer 2009, Fall 2009, Spring 2010  
**Format:** Two day course  
**Organisation:** Capgemini, Utrecht, the Netherlands
- **Title:** TOGAF 8  
**Period:** Fall 2008, Summer 2009  
**Format:** Four course  
**Organisation:** Capgemini, Utrecht, the Netherlands
- **Title:** Information Architecture  
**Period:** Fall 2009  
**Format:** Series of eight lectures  
**Organisation:** Radboud University, Nijmegen, the Netherlands

- **Title:** Business Rules  
**Period:** 2007 – 2009  
**Format:** Series of sixteen lectures  
**Organisation:** Radboud University, Nijmegen, the Netherlands
- **Title:** Business Architecture  
**Period:** Spring 2008, Spring 2009  
**Format:** Three half-a day lecture blocks in an Executive Master on Enterprise Architecture: “*Master of Architecture in the Digital World*”  
**Organisation:** A collaboration between:
  1. ABK, Radboud University, Nijmegen, the Netherlands
  2. ICIS, Radboud University, Nijmegen, the Netherlands
  3. Capgemini, Utrecht, the Netherlands
- **Title:** Introduction to Enterprise Architecture  
**Period:** Spring 2005, Spring 2006, Fall 2007, Fall 2008  
**Format:** Four half-a-day lecture blocks in an Executive Master on Enterprise Architecture “*Master of Architecture in the Digital World*”  
**Organisation:** A collaboration between:
  1. ABK, Radboud University, Nijmegen, the Netherlands
  2. ICIS, Radboud University, Nijmegen, the Netherlands
  3. Capgemini, Utrecht, the Netherlands
- **Title:** Introduction to Enterprise Architecture  
**Period:** Fall 2006, Fall 2007, Fall 2008  
**Format:** Series of sixteen lectures  
**Organisation:** Radboud University, Nijmegen, the Netherlands
- **Title:** Enterprise Modelling  
**Period:** Spring 2004, 2005, 2006, 2007, 2008  
**Format:** Series of sixteen lectures as part of a Bachelor of Information Systems  
**Organisation:** Radboud University, Nijmegen, the Netherlands
- **Title:** System Theory – Structure & Coordination  
**Period:** Spring 2004, 2005  
**Format:** Series of eight lectures  
**Organisation:** Radboud University, Nijmegen, the Netherlands
- **Title:** System Theory – Definition & Design  
**Period:** Spring 2005  
**Format:** Series of eight lectures  
**Organisation:** Radboud University, Nijmegen, the Netherlands
- **Title:** Data & Information Modelling  
**Period:** September 2002, 2003  
**Format:** Two week course, of eight full-days  
**Organisation:** Uganda Martyrs University, Nkozi, Uganda
- **Title:** Domain Modelling  
**Period:** 2002  
**Format:** Two day course  
**Organisation:** Akzo Nobel, Arnhem, The Netherlands

- **Title:** Architecture of Information Systems 1  
**Period:** Fall 2002  
**Format:** Series of 12 lectures  
**Organisation:** Radboud University, Nijmegen, the Netherlands
- **Title:** Architecture & Alignment  
**Period:** Spring 2002, 2003  
**Format:** Series of 12 lectures  
**Organisation:** Radboud University, Nijmegen, the Netherlands
- **Title:** Software Engineering – 4  
**Period:** Fall 2001  
**Format:** Series of 12 lectures  
**Organisation:** Radboud University, Nijmegen, the Netherlands
- **Title:** Masterclass KM  
**Period:** Fall 2001, Spring 2002, Fall 2002, Spring 2003, Fall 2003  
**Format:** Two full day modules  
**Organisation:** Pro-Education, University of Professional Education, Amsterdam, The Netherlands
- **Title:** Introduction to Component-based Development and Application Architectures  
**Period:** Summer 2000  
**Format:** Two hours lecture  
**Organisation:** Ordina Telecom, Bilthoven, The Netherlands
- **Title:** An architectural perspective on knowledge management  
**Period:** Spring 2000  
**Format:** One day course. Part of a Master of Knowledge Management curriculum.  
**Organisation:** TIAS, University of Tilburg, Tilburg, The Netherlands
- **Title:** Project Start-Architecture - Technical annex for system development contracts  
**Period:** Spring 2000  
**Format:** Four course  
**Organisation:** Dutch Taxation Office, The Netherlands
- **Title:** Component based development & Application architecture  
**Period:** Spring 1999  
**Format:** Series of 6 lectures  
**Organisation:** University of Tilburg, Tilburg, The Netherlands
- **Title:** Introduction to knowledge discovery  
**Period:** Fall 1998 and Spring 1999  
**Format:** Half-a-day course  
**Organisation:** Ordina Public, Zoetermeer, The Netherlands
- **Title:** An architectural perspective on knowledge management  
**Period:** Fall 1998, Spring 1999, Fall 1999, Spring 2000  
**Format:** Half-a-day course. Part of a two day course on knowledge management  
**Organisation:** PAO-Informatica, The Netherlands
- **Title:** Application development under architecture  
**Period:** Fall 1997 and Spring 1998  
**Format:** Two day course  
**Organisation:** ISES International, The Netherlands

- **Title:** Information & knowledge representation  
**Period:** February 1997 to May 1997  
**Format:** Series of 12 lectures  
**Organisation:** Queensland University of Technology, Brisbane, Australia
- **Title:** Database design  
**Period:** February 1996 to June 1996  
**Format:** Series of 12 lectures  
**Organisation:** Queensland University of Technology, Brisbane, Australia
- **Title:** File structures  
**Period:** August 1995 to December 1995 and August 1996 to December 1996  
**Format:** Series of 12 lectures  
**Organisation:** Queensland University of Technology, Brisbane, Australia
- **Title:** Database design & Conceptual modelling 2  
**Period:** August 1995 to December 1995  
**Format:** Series of 12 lectures  
**Organisation:** University of Queensland, Brisbane, Australia
- **Title:** Database design & Conceptual modelling 1  
**Period:** February 1995 to May 1995  
**Format:** Series of 12 lectures  
**Organisation:** University of Queensland, Brisbane, Australia
- **Title:** Evolving information systems  
**Period:** Spring 1993 and 1994  
**Format:** Guest lecture  
**Organisation:** Radboud University, Nijmegen, the Netherlands
- **Title:** System development methods  
**Period:** Fall 1992 and 1993  
**Format:** Series of 6 lectures  
**Organisation:** HAN University, Arnhem, the Netherlands
- **Title:** CASE Tools  
**Period:** Fall 1992 and 1993  
**Format:** Series of 6 lectures  
**Organisation:** HAN University, Arnhem, the Netherlands
- **Title:** The Temporal Dimension on Information Systems  
**Period:** Fall 1991  
**Format:** Guest lecture  
**Organisation:** Radboud University, Nijmegen, the Netherlands
- **Title:** CASE Tools overview  
**Period:** Fall 1990 and 1991  
**Format:** Guest lecture  
**Organisation:** Radboud University, Nijmegen, the Netherlands

## 17 Projects

### 17.1 Current projects

- **Title:** CoBaLab  
**Duration:** January 2017 – January 2019

**Activities:** Research, supervision  
**Sector/Class:** Research  
**Client/Sponsor:** FNR, Luxembourg

- **Title:** ValCoLa  
**Duration:** October 2016 – October 2019  
**Activities:** Research, supervision  
**Sector/Class:** Research  
**Client/Sponsor:** FNR, Luxembourg

## 17.2 Past projects

- **Title:** RationalArchitecture  
**Duration:** January 2013 – February 2016  
**Activities:** Research, supervision  
**Sector/Class:** Research  
**Client/Sponsor:** FNR, Luxembourg
- **Title:** Architectural Coordination of Enterprise Transformations  
**Duration:** October 2011 – October 2014  
**Activities:** Research, supervision  
**Sector/Class:** Research  
**Client/Sponsor:** FNR, Luxembourg
- **Title:** Architecture-based Service Innovation in Networked Enterprises  
**Duration:** May 2010 – March 2014  
**Activities:** Research, supervision  
**Sector/Class:** Research  
**Client/Sponsor:** FNR, Luxembourg
- **Title:** Strengthening ICT Training and Research Capacity in the Public Universities in Uganda  
**Duration:** July 2007 – July 2011  
**Activities:** Research, consultancy, workshops, courses, supervision  
**Sector/Class:** Research and teaching  
**Client/Sponsor:** Nuffic, The Netherlands
- **Title:** Architecture in the Digital World  
**Duration:** Spring 2005 – Spring 2010  
**Activities:** Coordination, curriculum development, content development and lecturing  
**Sector/Class:** Education  
**Client/Sponsor:** Consortium of:
  1. ABK, Radboud University, Nijmegen, the Netherlands
  2. ICIS, Radboud University, Nijmegen, the Netherlands
  3. Capgemini, Utrecht, the Netherlands
- **Title:** Design Authority  
**Duration:** Fall 2008 – Winter 2008  
**Activities:** Consultancy  
**Sector/Class:** Finance  
**Client/Sponsor:** ING - OIB
- **Title:** Workshop on TOGAF 8 applicability  
**Duration:** Fall 2008 – Winter 2008  
**Activities:** Consultancy

**Sector/Class:** Telecom  
**Client/Sponsor:** Nokia

- **Title:** Overall review on high level design of the “Allowances system”  
**Duration:** Spring 2007 – Fall 2007  
**Activities:** Consultancy  
**Sector/Class:** Government  
**Client/Sponsor:** Dutch Taxation Office
- **Title:** Building a Sustainable ICT Training Capacity in the Public Universities in Uganda  
**Duration:** July 2005 – July 2008  
**Activities:** Research, consultancy, workshops, courses, supervision  
**Sector/Class:** Research and teaching  
**Client/Sponsor:** Nuffic, The Netherlands
- **Title:** PRONIR – Profile based Retrieval Of Networked Information Resources  
**Duration:** September 2001 – September 2005  
**Activities:** Research, supervision  
**Sector/Class:** Fundamental research  
**Client/Sponsor:** NWO, The Netherlands
- **Title:** ArchiMate – An Architect’s Workbench  
**Duration:** September 2002 – September 2004  
**Activities:** Research, supervision  
**Sector/Class:** Applied research  
**Client/Sponsor:** Telematics Institute, Enschede, The Netherlands
- **Title:** Architecture driven application development  
**Duration:** April 1999 – August 2001  
**Activities:** Consultancy, authoring, analysis  
**Sector/Class:** Government  
**Client/Sponsor:** Dutch Taxation Office, Apeldoorn, The Netherlands
- **Title:** Workshop application architecture: Government 2000  
**Duration:** February 1999 – March 1999  
**Activities:** Workshop  
**Sector/Class:** Government  
**Client/Sponsor:** Province of Gelderland, Arnhem, The Netherlands
- **Title:** Large-Scale Migrations plug-in for the Information Services Procurement Library  
**Duration:** October 1998 – January 1999  
**Activities:** Authoring, research, analysis, interviews  
**Sector/Class:** General  
**Client/Sponsor:** European Union (Esprit project)
- **Title:** Strategy for acquisition of an intranet application architecture  
**Duration:** July 1998 – October 1998  
**Activities:** Consultancy, interviews, analysis  
**Sector/Class:** Trade  
**Client/Sponsor:** Van-Caem Klerks Group, Leiden, The Netherlands
- **Title:** Improvement of documentation processes  
**Duration:** January 1998 – June 1998  
**Activities:** Consultancy, interviews, analysis  
**Sector/Class:** Finance  
**Client/Sponsor:** Robeco Group (Rabobank), Rotterdam, The Netherlands



- **Title:** Tool selection for IBM mainframe development environment  
**Duration:** August 1997 – December 1997  
**Activities:** Consulting, determining criteria  
**Sector/Class:** Finance  
**Client/Sponsor:** Postbank (ING Group), Amsterdam, The Netherlands
- **Title:** DaVinci – Architecture Modelling product development  
**Duration:** June 1997 – June 1998  
**Activities:** Method engineering  
**Sector/Class:** IT-industry  
**Client/Sponsor:** Origin, Amsterdam, the Netherlands
- **Title:** Conceptual modelling of workflow  
**Duration:** May 1996 – May 1997  
**Activities:** Development of theory  
**Sector/Class:** University  
**Client/Sponsor:** Queensland University of Technology, Brisbane, Australia
- **Title:** Foundations of resource discovery  
**Duration:** July 1995 – May 1997  
**Activities:** Conceptual and formal foundations of resource discovery  
**Sector/Class:** University  
**Client/Sponsor:** Distributed Systems Technology Centre (DSTC), Brisbane, Australia
- **Title:** Information retrieval in open distributed networks  
**Duration:** July 1995 – May 1997  
**Activities:** Development of user oriented retrieval mechanisms  
**Sector/Class:** University  
**Client/Sponsor:** Queensland University of Technology, Brisbane, Australia
- **Title:** ConQuer: A conceptual query language  
**Duration:** January – March 1995  
**Activities:** Design and consulting  
**Sector/Class:** Software industry  
**Client/Sponsor:** Asymetrix, Bellevue, Washington, USA
- **Title:** Example generator for information model validation  
**Duration:** September – December 1994  
**Activities:** Design and consulting  
**Sector/Class:** Software industry  
**Client/Sponsor:** Asymetrix, Bellevue, Washington, USA
- **Title:** Tool for support of end user query formulation  
**Duration:** August – December 1994  
**Activities:** Design and consulting  
**Sector/Class:** Software industry  
**Client/Sponsor:** Asymetrix, Bellevue, Washington, USA
- **Title:** A workbench for schema transformations and abstractions  
**Duration:** May 1994 – May 1996  
**Activities:** Development and classification of theory, definitions and algorithms  
**Sector/Class:** University  
**Client/Sponsor:** University of Queensland, Brisbane, Australia
- **Title:** Definition of evolving information systems – A novel class of information systems  
**Duration:** May 1990 – April 1994  
**Activities:** Development of a theory and definition of a system

**Sector/Class:** University

**Client/Sponsor:** Radboud University, Nijmegen, the Netherlands

## 18 Research funding

- **Name:** CoBALab  
**Source:** FNR, Luxembourg  
**Size:** This project involves a collaboration between the National University of Singapore and Luxembourg Institute for Science and Technology, Luxembourg. The project, funded by the FNR, involves 3 fully funded PostDoc positions.  
**Role:** Main applicant  
**Year:** 2016
- **Name:** ValCoLa  
**Source:** FNR, Luxembourg  
**Size:** This project involves a collaboration between the University of St. Gallen in Switzerland and Luxembourg Institute for Science and Technology, Luxembourg. The Luxembourg side of the project, funded by the FNR, involves 2 PostDocs and 1 Research Engineer.  
**Role:** Main applicant  
**Year:** 2016
- **Name:** RationalArchitecture  
**Source:** FNR, Luxembourg  
**Size:** This project involves a collaboration between the University of Luxembourg and Luxembourg Institute for Science and Technology, Luxembourg. The project, funded by the FNR, involved 2 PhD students and 1 PostDoc. One of the 2 PhD students is based at the University of Luxembourg.  
**Role:** Main applicant  
**Year:** 2012
- **Name:** Architectural Coordination of Enterprise Transformations  
**Source:** FNR, Luxembourg  
**Size:** This project involves a collaboration between the University of St. Gallen in Switzerland and Luxembourg Institute for Science and Technology, Luxembourg. The Luxembourg side of the project, funded by the FNR, involved 2 PhD students, 2 PostDocs and 1 Research Engineer.  
**Role:** Main applicant  
**Year:** 2011
- **Name:** Architecture-based Service Innovation in Networked Enterprises  
**Source:** FNR Luxembourg  
**Size:** This project had a size of 3.3 MEuro, involving 4 PhD students, 2 PostDocs, 2 Research Engineers, and 1 Research Manager  
**Role:** Main applicant  
**Year:** 2010

- **Name:** Strengthening ICT Training and Research Capacity in the Public Universities in Uganda  
**Source:** Nuffic  
**Size:** This project involves 30 PhD students, of which 15 were planned to obtain PhD's at Universities in the Netherlands.  
**Role:** Co-applicant  
**Year:** 2007
- **Name:** Building a Sustainable ICT Training Capacity in the Public Universities in Uganda  
**Source:** Nuffic  
**Size:** This project involved 6 PhD students and 28 MSc students, where all students did do their respective degrees in the Netherlands  
**Role:** Co-applicant  
**Year:** 2005
- **Name:** ArchiMate  
**Source:** Dutch Ministry of Economic Affairs  
**Size:** Consortium involving ABN-AMRO, ABP, CWI, Dutch Tax Office, Ordina, Leiden University, Radboud University and the Telematics Institute. The project ran for two years, and had an overall budget of €4,500,000.  
**Role:** Initiator and co-applicant  
**Year:** 2002
- **Name:** PRONIR – Profile based retrieval of networked information resources  
**Source:** Netherlands Organisation for Scientific Research  
**Size:** This project involved two PhD Students and a Scientific Programmer, and was a collaboration between the University of Tilburg and the Radboud University  
**Role:** Main applicant  
**Year:** 2001
- **Name:** Seeding Grant – Indexing Mechanisms for Information Discovery  
**Source:** Queensland University of Technology  
**Size:** AUD\$ 7,000.  
**Role:** Main applicant  
**Year:** 1996

## 19 Supervision of students

- More than forty Master Thesis projects as principal supervisor.
- More than five Bachelor Thesis as a principal supervisor.
- Principle supervisor (promotor) for PhD Thesis:
  - G. Plataniotis, Luxembourg Institute for Science and Technology, *EA Anamnesis - A Conceptual Framework for Enterprise Architecture Rationalization*, 2017, Radboud University.
  - R. Ettema, Thesis title *Using triangulation in Lean Six Sigma to explain quality problems – An enterprise engineering perspective*, 2016, Radboud University.
  - H. Faller, Thesis title *Organisational Subcultures and Enterprise Architecture Effectiveness: an Explanatory Theory*, 2016, Radboud University.

- D. van der Linden, Thesis title *Personal semantics of meta-concepts in conceptual modelling languages*, 2015, Radboud University.
- F. Tulinayo, Thesis title *Combining System Dynamics with a Domain Modelling Method*, 2014, Radboud University.
- R. Wagter, Ordina, Thesis title *Enterprise Coherence*, 2013, Radboud University.
- D. Ssebuggwawo, Thesis title: *Analysis and Evaluation of Modelling Processes*, 2012, Radboud University.
- A. Nakakawa, Thesis title: *A Collaborative Process for Enterprise Architecture Creation*, 2012, Radboud University.
- S. Overbeek, E-Office, *Bridging Supply and Demand for Knowledge Intensive Tasks*, 2009, Radboud University.
- J. Nabukenya, Thesis title: *Improving the Quality of Organisational Policy Making using Collaboration Engineering*, 2009, Radboud University.
- B. van Gils, Thesis title: *Aptness on the Web*, 2006, Radboud University.
- S.J.B.A. Hoppenbrouwers, Thesis title: *Freezing Language – Conceptualisation Processes across ICT-Supported Organisations*, 2004, Radboud University, Nijmegen, the Netherlands.
- Associate-supervisor/advisor for PhD Thesis:
  - K. Leune, Thesis title: *Access Control and Service-Oriented Architectures*, Tilburg University, Tilburg, The Netherlands, 2007.
  - A.P Barros, Thesis title: *Conceptual Workflow Modelling*, University of Queensland, Brisbane, Australia, 1998.
  - L.J. Bird-Campbell, Thesis title: *Data reverse engineering: From a relational database system to a three-dimensional conceptual schema*, University of Queensland, Brisbane, Australia, 1997.

## 20 Refereeing and reviewing

- Several Master Thesis,
- Several PhD Thesis,
- Reviewer of NWO, FWO, Jacquard & STW project proposals,
- Numerous papers submitted to conferences and workshops, such as:
  - CAiSE (Conference on Advanced Information Systems Engineering),
  - DESRIST (Design science research in information systems and technology),
  - CBI (Conference on Business Informatics),
  - CIAO! (Cooperation & Interoperability – Architecture & Ontology) workshop,
  - ECIS (European Conference on Information Systems)
  - EEWC (Enterprise Engineering Working Conference)
  - ER (Entity-Relationship/Conceptual Modelling) conferences,
  - HICCS (Hawaii International Conference on System Sciences),
  - LAP (Language-Action Perspective) conferences,
  - PoEM (Practice of Enterprise Modelling) working conference,

- PRET (Practice-driven Research on Enterprise Transformations) working conference,
  - VLDB (Very Large Databases) conferences,
  - EMMSAD (Exploring Modelling Methods in Systems Analysis and Design) working conference,
  - EMISA (Enterprise Modelling and Information Systems Architectures) workshop,
  - ME (Method Engineering) working conference,
  - ORM (Object-Role Modelling) workshops,
  - TEAR (Trends in Enterprise Architecture Research) workshop,
  - ECDM (Evolution and Change in Data Management) workshops.
- Numerous papers submitted to journals, such as:
    - Organisational Design & Enterprise Engineering,
    - Business Information Systems Engineering (Wirtschaftsinformatik),
    - International Journal of Information System Modelling and Design,
    - The Journal of Strategic Information Systems,
    - The Computer Journal,
    - Enterprise Modelling and Information Systems Architectures,
    - Data & Knowledge Engineering (North-Holland/Elsevier-Science),
    - International Journal of Cooperative Information Systems (World Scientific),
    - Information Systems (Pergamon),
    - IEEE Transactions on Data & Knowledge Engineering,
    - International Journal on Concurrent Engineering Research and Applications.

## 21 Editorships

- Series editor of Springer's *Enterprise Engineering* series, <http://www.springer.com/series/8371>.
- Member of the editorial board of:
  - International Journal on Multidisciplinary Approaches to Innovation (IJMAI), 2013 – present.
  - Business Information Systems Engineering (Wirtschaftsinformatik), 2012 – present.
  - Enterprise Modelling and Information Systems Architectures, Gesellschaft für Informatik, 2006 – present.
  - International Journal of Information System Modelling and Design, 2009 – present.
  - Data & Knowledge Engineering, North-Holland/Elsevier-Science, 2002 – present.
  - International Journal of Cooperative Information Systems, World Scientific, 2001 – present.
  - Via Nova Architectura, on-line journal, <http://www.via-nova-architectura.org>, 2006 – 2010.
- Editor of:
  - Journal of Organisational Design & Enterprise Engineering (OD&EE), 2016 – present.

- A special issue of *Enterprise Modelling and Information Systems Architectures* focussing on Enterprise Architecture, 2008.
- Proceedings of the *EMMSAD – Exploring Modelling Methods in Systems Analysis and Design* workshop, 2007, 2008, 2009. Since 2009, published in the LNBIP series of Springer.
- Proceedings of the *NAF Academy Working Conference on Practise-Driven Research on Enterprise Transformations*, 2009, published in the LNBIP series of Springer.
- A special issue of the *International Journal of Cooperative Information Systems*, related to *The Fifth National Architecture Congress* (Landelijk Architectuurcongres (LAC2003)), November 2003, Nieuwegein, The Netherlands.

## 22 Program, organisation & steering committees

Erik has served (or is serving) as a member on several program committees or organising committees, involving amongst others:

- Program committee member of the: *CBI – Conference on Business Informatics*, 2011 – present.
- Program committee member of the: *EEWC – Enterprise Engineering Working Conference*, 2011 – present.
- Program committee / program board member of the: *CAiSE – International Conference on Advanced Information Systems Engineering*, 2007 – present.
- Program committee member of the: *ECIS – European Conference on Information Systems* (ECIS), 2012 – present.
- Program committee / program board member of the: *CAiSE – International Conference on Advanced Information Systems Engineering*, 2007 – present.
- Program committee member of the: *DESRIST – DEsign Science Research in Information Systems and Technology* conference, 2010 – present.
- Program committee member of the: *iWI – International Conference on Wirtschaftsinformatik*, 2012 – present.
- Program committee member of the: *PoEM – Practise of Enterprise Modelling* working conference, 2008 – present.
- Program committee member of the: *CIAO! – International Workshop on Cooperation & Interoperability – Architecture & Ontology*, 2008 – present.
- Program committee member of the: *EMISA – Enterprise Modelling and Information Systems Architectures* workshop, 2007 – present
- Program committee member of the: *EMMSAD – Exploring Modelling Methods in Systems Analysis and Design* workshop, 2006 – present.
- Program committee member of the: *TEAR – Workshop on Trends in Enterprise Architecture Research*, 2006 – present.
- Program committee member of the: *ORM – Object-Role Modelling* workshop, 2005 – present.
- Program committee chair of the: *CBI - Conference on Business Informatics*, 2014.
- Co-chair of a track at the *ECIS – European Conference on Information Systems* (ECIS), 2012, 2013 and 2015.

- Co-chair of the *PRET – Working conference on Practice-driven Research on Enterprise Transformations*, 2011 – 2016.
- General chair of the *Enterprise Engineering Week*, 2010 a week bringing together three events related to enterprise engineering: the PoEM working conference, PRET working conference and TEAR workshop.
- Chair of the *TEAR – Trends in Enterprise Architecture Research* workshop, 2010.
- Co-chair of the *CAiSE-Forum – Forum of the Conference on advanced Information Systems Engineering*, 2010.
- Chair of the *EMMSAD – Exploring Modelling Methods for Systems Analysis and Design* conference, 2007 and 2010.
- Chair of the *PRET – Working conference on Practise-driven Research on Enterprise Transformations*, 2009.
- Program committee member of the: *ECDM – The Bi-Annual International Workshop on Evolution and Change in Data Management*, 1999 – 2011.
- Program committee member of the: *IFIP WG8.1 Working Conference on Situational Method Engineering: Fundamentals and Experiences*, 2007
- Program committee member of the: *IFIP International Conference on The past and future of Information Systems: 1976-2006*, 2006.
- Program committee member of the: *LAP2009 Language Action Perspective 2009* working conference.
- Program committee member of the: *The National Architecture Congress (Landelijk Architectuurcongres, The Netherlands*, 2000 – 2004.
- Organiser of the advanced course: *Architecture-driven System Development of the post-graduate school: Research School for Information and Knowledge Systems (SIKS)*, November 2003 and April 2004.
- Chairman of the: *The Ordina Round Table Conference on Knowledge Management for Flexible Project Teams*, September 2001, Echteld, The Netherlands.
- Organising committee member of the: *First Component Based Software Day*, April 2001, CWI, Amsterdam, The Netherlands.
- Program committee member of the: *The International conference on Advances in Digital Libraries (ADL'2000)*, 2000.
- Chairman of the: *The OrdinaRound Table Conference on Business-ICT alignment*, September 2000, Echteld, The Netherlands.

## 23 Membership of professional organisations

- Member of Association for Computing Machinery (ACM), IEEE and AIS.
- Member of Research School for Information and Knowledge Systems (SIKS).
- Member of the International Federation of Information Processing (IFIP) 8.1 working group.
- Former member (and co-initiator) of the Business forum within the The Open Group.
- Former member (and co-founder) of ArchiMate forum within the The Open Group.
- Former board member and co-founder of Netherlands Architecture Forum (NAF).

## 24 Publications

### 24.1 Books

1. D. Greefhorst and H. A. Proper. *Architecture Principles – The Cornerstones of Enterprise Architecture*. Enterprise Engineering Series. Springer, Heidelberg, Germany, 2011. ISBN: 978-3-642-20278-0
2. M.-E. Iacob, H. Jonkers, M. M. Lankhorst, and H. A. Proper. *ArchiMate 1.0 Specification*. The Open Group, 2009. ISBN: 978-9-087-53502-5
3. M.-E. Iacob, H. Jonkers, M. M. Lankhorst, H. A. Proper, and D. A. C. Quartel. *ArchiMate 2.0 Specification*. The Open Group, 2012. ISBN: 1-937-21800-3
4. M.-E. Iacob, H. Jonkers, M. M. Lankhorst, H. A. Proper, and D. A. C. Quartel. *ArchiMate 2.1 Specification*. The Open Group, 2013. ISBN: 9789401800037
5. M. Op 't Land, H. A. Proper, M. Waage, J. Cloo, and C. Steghuis. *Enterprise Architecture – Creating Value by Informed Governance*. Enterprise Engineering Series. Springer, Heidelberg, Germany, 2008. ISBN: 978-3-540-85231-5
6. H. A. Proper. *A Theory for Conceptual Modelling of Evolving Application Domains*. PhD thesis, University of Nijmegen, Nijmegen, the Netherlands, 1994. ISBN: 9-090-06849-X
7. H. A. Proper. *ISP for Large-scale Migrations*. Information Services Procurement Library. Ten Hagen & Stam, Den Haag, the Netherlands, 2001. ISBN: 9-076-30488-2
8. H. A. Proper. *Informatiekunde; Exacte vaagheid*. Nijmegen Institute for Information and Computing Sciences, University of Nijmegen, Nijmegen, the Netherlands, November 2003. In Dutch. ISBN: 9-090-17286-6
9. R. J. Wieringa, P. van Eck, C. Steghuis, and H. A. Proper. *Competences of IT Architects*. Academic Service – SDU, The Hague, Netherlands, 2008. ISBN: 978-9-012-58087-8

### 24.2 Edited Books

1. S. Aier, M. Ekstedt, F. Matthes, H. A. Proper, and J. Sanz, editors. *Proceedings of the 7th Workshop on Trends in Enterprise Architecture Research and Practice-Driven (TEAR 2012) and the 5th Working Conference on Practice-driven Research on Enterprise Transformation (PRET 2012). Held at The Open Group Conference*, volume 131 of *Lecture Notes in Business Information Processing*, Barcelona, Spain, October 2012. Springer, Heidelberg, Germany. ISBN: 978-3-642-34162-5  
doi:10.1007/978-3-642-34163-2
2. D. Aveiro, M Bjeković, A. Caetano, A. Fleischmann, L. Heuser, S. de Kinderen, M. M. Komarov, Y. Koucheryavy, S. V. Maltseva, W. Molnar, A. Oberweis, H. A. Proper, M. Rappa, W. Schmidt, F. Schönthaler, J. Sottet, C. Stary, and G. Vossen, editors. *Proceedings of the 16th IEEE Conference on Business Informatics (CBI 2014), Geneva, Switzerland, Volume 2*. IEEE Computer Society Press, Los Alamitos, California, 2014. ISBN: 978-1-4799-5779-8
3. I. Bider, T. A. Halpin, J. Krogstie, S. Nurcan, H. A. Proper, R. Schmidt, P. Soffer, and S. Wrycza, editors. *Enterprise, Business-Process and Information Systems Modeling – 13th International Conference (BPMDS 2012), 17th International Conference (EMMSAD 2012) and 5th EuroSymposium, held at CAiSE 2012*, volume 113 of *Lecture Notes in Business Information Processing*, Gdańsk, Poland, June 2012. Springer, Heidelberg, Germany. ISBN: 978-3-642-31071-3  
doi:10.1007/978-3-642-31072-0\_19



4. I. Bider, T. A. Halpin, J. Krogstie, S. Nurcan, H. A. Proper, R. Schmidt, and R. Ukor, editors. *Enterprise, Business-Process and Information Systems Modeling – 11th International Workshop (BPMDS 2010) and 15th International Conference (EMMSAD 2010) held at CAiSE 2010*, volume 50 of *Lecture Notes in Business Information Processing*, Tunis, Tunisia, June 2010. Springer, Heidelberg, Germany. ISBN: 978-3-642-13050-2
5. I. Bider, T. A. Halpin, J. Krogstie, S. Nurcan, H. A. Proper, R. Schmidt, and R. Ukor, editors. *Enterprise, Business-Process and Information Systems Modeling – 12th International Workshop (BPMDS 2011) and 16th International Conference (EMMSAD 2011), held at CAiSE 2011*, volume 81 of *Lecture Notes in Business Information Processing*, Hammamet, Tunisia, June 2011. Springer, Heidelberg, Germany. ISBN: 978-3-642-21758-6
6. R. Deneckère and H. A. Proper, editors. *Proceedings of the CAiSE'13 Forum at the 25th International Conference on Advanced Information Systems Engineering (CAiSE 2013)*, volume 998. CEUR-WS.org, 2013.  
<http://ceur-ws.org/Vol-998>
7. T. A. Halpin, J. Krogstie, S. Nurcan, H. A. Proper, R. Schmidt, P. Soffer, and R. Ukor, editors. *Enterprise, Business-Process and Information Systems Modeling – 10th International Workshop (BPMDS 2009) and 14th International Conference (EMMSAD 2009), held at the 21st International Conference on Advanced Information Systems Engineering (CAiSE 2009), Amsterdam, the Netherlands*, volume 29 of *Lecture Notes in Business Information Processing*, Amsterdam, the Netherlands, June 2009. Springer, Heidelberg, Germany. ISBN: 978-3-642-01861-9
8. T. A. Halpin, J. Krogstie, and H. A. Proper, editors. *Innovations in Information Systems Modeling*. IGI Publishing, Hershey, Pennsylvania, 2008. ISBN: 978-1-605-66278-7
9. T. A. Halpin, J. Krogstie, and H. A. Proper, editors. *Proceedings of the 13th Workshop on Exploring Modeling Methods for Systems Analysis and Design (EMMSAD 2008), held in conjunction with the 20th Conference on Advanced Information Systems Engineering (CAiSE 2008), Montpellier, France*, volume 337. CEUR-WS.org, June 2008.
10. A. F. Harmsen, K. Grahlmann, and H. A. Proper, editors. *Proceedings of the 3rd Working Conference on Practice-driven Research on Enterprise Transformation (PRET 2010)*, volume 89 of *Lecture Notes in Business Information Processing*, Delft, the Netherlands, September 2011. Springer, Heidelberg, Germany. ISBN: 978-3-642-23387-6
11. A. F. Harmsen and H. A. Proper, editors. *Proceedings of the 6th Working Conference on 6th Practice-Driven Research on Enterprise Transformation (PRET 2013)*, volume 151, Utrecht, the Netherlands, June 2013. Springer, Heidelberg, Germany. ISBN: 978-3-642-38773-9  
doi:10.1007/978-3-642-38774-6
12. A. F. Harmsen, H. A. Proper, F. Schalkwijk, J. Barjis, and S. J. Overbeek, editors. *Proceedings of the 2nd Working Conference on Practice-driven Research on Enterprise Transformation (PRET 2010)*, volume 69 of *Lecture Notes in Business Information Processing*, Delft, the Netherlands, November 2010. Springer, Heidelberg, Germany. ISBN: 978-3-642-16769-0
13. J. Krogstie, T. A. Halpin, and H. A. Proper, editors. *Proceedings of the 11th Workshop on Exploring Modeling Methods for Systems Analysis and Design (EMMSAD 2006), held in conjunction with the 18th Conference on Advanced Information Systems (CAiSE 2006)*, Luxembourg-Kirchberg, Luxembourg, 2006. Namur University Press, Namur, Belgium. ISBN: 2-870-37525-5
14. S. Nurcan, H. A. Proper, P. Soffer, J. Krogstie, R. Schmidt, T. A. Halpin, and I. Bider, editors. *Enterprise, Business-Process and Information Systems Modeling – Proceedings of the 14th International Conference BPMDS 2013 and the 18th International Working Conference EMMSAD 2013; Held at CAiSE 2013, Valencia, Spain, June 17–18, 2013*, volume 147 of *Lecture Notes in Business*

*Information Processing*. Springer, Heidelberg, Germany, June 2013. ISBN: 978-3-642-38483-7  
doi:10.1007/978-3-642-31072-0

15. H. A. Proper, D. Aveiro, and K. Gaaloul, editors. *Advances in Enterprise Engineering VII – Proceedings of the 3rd Enterprise Engineering Working Conference (EEWC 2013)*, Kirchberg, Luxembourg, volume 146 of *Lecture Notes in Business Information Processing*. Springer, Heidelberg, Germany, May 2013. ISBN: 978-3-642-38116-4
16. H. A. Proper, T. A. Halpin, and J. Krogstie, editors. *Proceedings of the 12th Workshop on Exploring Modeling Methods for Systems Analysis and Design (EMMSAD 2007)*, held in conjunction with the 19th Conference on Advanced Information Systems (CAiSE 2007), Trondheim, Norway. CEUR-WS.org, 2007. ISSN: 1613-0073
17. H. A. Proper, A. F. Harmsen, and J. L. G. Dietz, editors. *Proceedings of the 1st NAF Academy Working Conference on Practice-Driven Research on Enterprise Transformations (PRET 2009)*, held at the 21st International Conference on Advanced Information Systems Engineering (CAiSE 2009), Amsterdam, the Netherlands, volume 28 of *Lecture Notes in Business Information Processing*, Amsterdam, the Netherlands, June 2009. Springer, Heidelberg, Germany. ISBN: 978-3-642-01858-9
18. H. A. Proper, A. F. Harmsen, K. Gaaloul, and S. Wrycza, editors. *Proceedings of the 4th Working Conference Practice-Driven Research on Enterprise Transformation (PRET 2012)*, volume 120 of *Lecture Notes in Business Information Processing*, Gdansk, Poland, June 2012. Springer, Heidelberg, Germany. ISBN: 978-3-642-31133-8  
doi:10.1007/978-3-642-31134-5
19. H. A. Proper, M. M. Lankhorst, M. Schönherr, J. Barjis, and S. J. Overbeek, editors. *Proceedings of the 5th Workshop on Trends in Enterprise Architecture Research, (TEAR 2010)*, volume 70 of *Lecture Notes in Business Information Processing*, Delft, the Netherlands, November 2010. Springer, Heidelberg, Germany. ISBN: 978-3-642-16818-5
20. H. A. Proper and J. Ralyté, editors. *Proceedings of the 16th IEEE Conference on Business Informatics (CBI 2014)*, Geneva, Switzerland, Volume 1. IEEE Computer Society Press, Los Alamitos, California, 2014. ISBN: 978-1-4799-5779-8
21. P. Soffer and H. A. Proper, editors. *Information Systems Evolution, CAiSE Forum 2010, Hammamet, Tunisia, June, 2010, Selected Extended Papers*, volume 72 of *Lecture Notes in Business Information Processing*. Springer, Heidelberg, Germany, 2010. ISBN: 978-3-642-17721-7
22. A. A. Verrijn-Stuart and H. A. Proper, editors. *Framework of Information Systems Concepts: Revised Report*. IFIP WG 8.1 Task Group FRISCO, 2004.

### 24.3 Chapters in Books

1. E. D. Falkenberg, J. L. H. Oei, and H. A. Proper. A Conceptual Framework for Evolving Information Systems. In H. G. Sol and R. L. Crosslin, editors, *Dynamic Modelling of Information Systems II*, Amsterdam, the Netherlands, pages 353–375. North-Holland, Amsterdam, the Netherlands, 1992. ISBN: 0-444-89405-5
2. M. M. Lankhorst and H. A. Proper. Agile Architecture. In M. M. Lankhorst, editor, *Agile Service Development: Combining Adaptive Methods and Flexible Solutions*, Enterprise Engineering Series, chapter 3, pages 41–57. Springer, Heidelberg, Germany, 2012. ISBN: 978-3-642-28187-7
3. M. M. Lankhorst, L. van der Torre, H. A. Proper, F. Arbab, F. S. de Boer, and M. Bonsangue. Foundations (of ArchiMate). In M. M. Lankhorst, editor, *Enterprise Architecture at Work: Modelling, Communication and Analysis*, Enterprise Engineering Series, pages 47–66. Springer, Heidelberg, Germany, 3rd edition, 2012. ISBN: 978-3-642-29650-5

4. M. M. Lankhorst, L. van der Torre, H. A. Proper, F. Arbab, and M. W. A. Steen. Viewpoints and Visualisation. In M. M. Lankhorst, editor, *Enterprise Architecture at Work: Modelling, Communication and Analysis*, Enterprise Engineering Series, pages 147–190. Springer, Heidelberg, Germany, 3rd edition, 2005. ISBN: 978-3-642-29650-5
5. S. J. Overbeek, P. van Bommel, H. A. Proper, and D. B. B. Rijsenbrij. Foundations and Applications of Intelligent Knowledge Exchange. In P. Zemliansky and K. St-Amant, editors, *The Handbook of Research on Virtual Workplaces and the New Nature of Business Practices*. IGI Publishing, Hershey, Pennsylvania, 2008. ISBN: 978-1-599-04893-2
6. H. A. Proper, S. J. B. A. Hoppenbrouwers, and G. E. Veldhuijzen van Zanten. Communication of Enterprise Architectures. In M. M. Lankhorst, editor, *Enterprise Architecture at Work: Modelling, Communication and Analysis*, Enterprise Engineering Series, pages 67–82. Springer, Heidelberg, Germany, 3rd edition, 2012. ISBN: 978-3-642-29650-5
7. M. W. A. Steen, M. E. Jacob, M.M Lankhorst, H. Jonkers, M. Zoet, W. Engelsman, J. Versendaal, H. A. Proper, L. Debije, and K. Gaaloul. Service Modelling. In M. M. Lankhorst, editor, *Agile Service Development: Combining Adaptive Methods and Flexible Solutions*, Enterprise Engineering Series, chapter 3, pages 59–94. Springer, Heidelberg, Germany, 2012. ISBN: 978-3-642-28187-7
8. P. van Bommel, S. J. B. A. Hoppenbrouwers, H. A. Proper, and J. Roelofs. Concepts and Strategies for Quality of Modeling. In T. A. Halpin, J. Krogstie, and H. A. Proper, editors, *Innovations in Information Systems Modeling*, chapter 9. IGI Publishing, Hershey, Pennsylvania, 2008. ISBN: 978-1-605-66278-7
9. P. van Bommel, S. J. B. A. Hoppenbrouwers, H. A. Proper, and Th. P. van der Weide. *On the Use of Object-Role Modeling For Modeling Active Domains*, pages 123–145. Research Issues in System Analysis and Design, Databases and Software Development. IGI Publishing, Hershey, Pennsylvania, 2007. ISBN: 978-1-599-04927-4
10. R. Wagter, H. A. Proper, and D. Witte. A Theory for Enterprise Coherence Governance. In P. Saha, editor, *A Systematic Perspective to Managing Complexity with EA*. IGI Publishing, Hershey, Pennsylvania, 2013.

## 24.4 Journal Publications

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## 24.8 Educational Publications

1. V. Kamphuis, H. A. Proper, and S. J. B. A. Hoppenbrouwers. *Informatiekunde 2003 – Curriculum*. Nijmegen Institute for Information and Computing Sciences, University of Nijmegen, Nijmegen, the Netherlands, 2003. In Dutch.
2. V. Kamphuis, H. A. Proper, and S. J. B. A. Hoppenbrouwers. *Informatiekunde 2003 – Visie*. Nijmegen Institute for Information and Computing Sciences, University of Nijmegen, Nijmegen, the Netherlands, 2003. In Dutch.
3. H. A. Proper. *Architecture-driven Information Systems Engineering*. DaVinci Series. Nijmegen Institute for Information and Computing Sciences, University of Nijmegen, Nijmegen, the Netherlands, 2004.
4. H. A. Proper. *An Overview of the DaVinci Series*. DaVinci Series. Nijmegen Institute for Information and Computing Sciences, University of Nijmegen, Nijmegen, the Netherlands, 2005.
5. H. A. Proper. *Grounded Enterprise Modelling*. DaVinci Series. Nijmegen Institute for Information and Computing Sciences, Radboud University, Nijmegen, the Netherlands, 2008.