

# Curriculum Vitae

Prof.dr. Henderik A. Proper

Version of: May 12, 2025

## Contents

<b>1</b>	<b>Details</b>	<b>3</b>
<b>2</b>	<b>Career overview</b>	<b>3</b>
<b>3</b>	<b>Academic education</b>	<b>4</b>
<b>4</b>	<b>Command of languages</b>	<b>4</b>
<b>5</b>	<b>Awards and distinctions</b>	<b>5</b>
<b>6</b>	<b>Employment</b>	<b>5</b>
<b>7</b>	<b>Research funding</b>	<b>6</b>
<b>8</b>	<b>Supervision of students</b>	<b>8</b>
<b>9</b>	<b>Reviewing</b>	<b>9</b>
9.1	General . . . . .	9
9.2	Conferences and workshops . . . . .	10
9.3	Journals . . . . .	12
<b>10</b>	<b>Academic leadership</b>	<b>13</b>
<b>11</b>	<b>Organising committee and editorships</b>	<b>14</b>
11.1	Co-chairing of conferences and workshops . . . . .	14
11.2	Steering & advisory committees . . . . .	16
11.3	Editorships . . . . .	16
<b>12</b>	<b>Membership of professional organisations</b>	<b>16</b>
<b>13</b>	<b>Keynotes</b>	<b>17</b>

<b>14 Taught courses &amp; lectures</b>	<b>18</b>
<b>15 Invited lectures</b>	<b>22</b>
<b>16 Leadership in teaching</b>	<b>24</b>
<b>17 Industrial leadership</b>	<b>25</b>
<b>18 Publications</b>	<b>25</b>
18.1 Books . . . . .	25
18.2 Edited Books . . . . .	27
18.3 Chapters in Books . . . . .	32
18.4 Journal Publications . . . . .	35
18.5 Conference Publications . . . . .	39
18.6 Technical Reports . . . . .	61

## 1 Details

Titles: Prof. Dr.  
Initials: H. A.  
First name: Henderik  
Surname: Proper  
Short name: Erik  
Date of birth: 22 May, 1967  
Nationality: Dutch

E-Mail: henderik.proper@tuwien.ac.at  
Website: www.erikproper.eu  
ORCID: 0000-0002-7318-2496  
Mobile LU: +352 621762041  
Mobile AT: +43 664 605882303

Office: TU Wien  
Favoritenstraße 9-11  
A-1040 Vienna  
Austria

Home LU: 52, Cité im Thaelchen  
L-6145 Junglinster  
Luxembourg

Home AT: Bertha-von-Suttner Gasse 10, Steige 1, Top 67  
1220 Vienna  
Austria



## 2 Career overview

Prof. Dr. Henderik A. Proper, Erik for friends, is Full Professor in Enterprise and Process Engineering in the Business Informatics Group at the TU Wien. He is co-author of a wide range of conference publications, chapters in books, journal papers, and books. According to google scholar his *h*-index is presently 46.

During his career so-far, he supervised 15 PhD candidates as primary supervisor (Dutch: promotor), and 5 PhD candidates as fellow-supervisor (Dutch: mede-promotor). Over the past ten years, he has regularly provided guest lectures within different MSc programmes offered by the University of Luxembourg (LU), the University of Lorraine (FR), the TU Wien (AT), the University of Namur (BE), Antwerp Management School (BE), and TIAS Business School (NL).

Erik has a mixed background, covering a variety of roles in both academia and industry. His core research drive is the development of *theories that work*. In other words, Erik focuses on research that leads to results that have both theoretical *rigour* and practical *relevance*.

His general research interest concerns the foundations and applications of domain modelling; in particular in the context of enterprises. Over the past 20 years, he has applied this research drive and general research interest towards 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.

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. For 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. During the latter period, he also co-initiated the ArchiMate research project, which also resulted in the ArchiMate standard from The Open Group for enterprise architecture modelling.

In June 2001, Erik returned to academia, where he became a Professor 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.

In May 2010 Erik was awarded an FNR PEARL laureate, resulting in his move to the Luxembourg Institute of Science and Technology in Luxembourg. Until summer 2017, he continued his chair at the Radboud University Nijmegen in the Netherlands, in terms of an Adjunct Professorship. In June 2017, the latter was also transitioned to Luxembourg in terms of an Adjunct Professorship in Data & Knowledge Engineering at the University of Luxembourg. In September 2018, Erik also became a (regular) Guest Professor at the TU Wien in Austria.

Finally, in January 2023, Erik moved to the TU Wien to take up a Full Professorship in Enterprise & Process Engineering within the Business Informatics Group. As of March 2024, he will also be the scientific leader of the latter group.

As of January 2022, Erik is vice-chair of the IFIP 8.1 working group, while also being the representative for the Netherlands in IFIP's TC8 technical committee. He is also the Stellvertretender Sprecher (vice chair) of the EMISA working group of the German Computer Science Society (Gesellschaft für Informatik).

### 3 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

### 4 Command of languages

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

## 5 Awards and distinctions

- 2020, nominated “*Academic data leader*” by CDO Magazine, led by the MIT Sloan School of Management, on my work on conceptual modelling and enterprise modelling.
- 2014, awarded the “*NAF penning*”, by the Netherlands Digital Architecture Forum, recognising my work on Enterprise Architecture.
- 2012, awarded the “*IFIP Outstanding Service Award*”, recognising many years of service to IFIP Working Group 8.1, its associated events, and the wider IFIP community.
- 2010, awarded an FNR PEARL grant of 3.3 M
- €1999, awarded the “*Best Lecturer Business-Informatics 1998/1999 award*” for a lecture series on Software Engineering at the University of Tilburg, the Netherlands.
- 1994, PhD received the “SNS Bank” award.
- 1994, PhD received the predicate Cum Laude (= with distinction) from the Radboud University, Nijmegen, The Netherlands.

## 6 Employment

- **Employer:** TU Wien  
**Function:** Full Professor  
**Period:** January 2023 – Present
- **Employer:** TU Wien  
**Function:** Guest Professor  
**Period:** September 2018 – December 2022
- **Employer:** University of Luxembourg  
**Function:** Adjunct Professor  
**Period:** June 2017 – December 2022
- **Employer:** Luxembourg Institute of Science and Technology, Luxembourg  
**Function:** Senior Research Manager  
**Period:** May 2010 – December 2022
- **Employer:** Radboud University, Nijmegen, The Netherlands  
**Function:** Adjunct Professor  
**Period:** January 2008 – January 2018
- **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 1987 – May 1990

## 7 Research funding

- **Name:** CoBALab – Collaborative Business Analytics Laboratory  
**Source:** FNR, Luxembourg  
**Size:** Awarded funding: 400 K.€ This project involves a collaboration between the National University of Singapore and Luxembourg Institute of Science and Technology, Luxembourg. The project, funded by the FNR, involved 3 fully funded PostDoc positions for two years, as well as an additional mobility grant.  
**Role:** Main applicant  
**Year:** 2016
- **Name:** An Integrative Design Framework for Business Innovation  
**Source:** FNR, Luxembourg  
**Size:** Awarded funding: 56 K.€ A Mobility grant to support multiple (long-stay) research visits by Prof. Dr. Eng Chew from the University of Technology Sydney.  
**Role:** Co-applicant  
**Year:** 2014

- **Name:** ValCoLa – Value Co-creation Language  
**Source:** FNR, Luxembourg  
**Size:** Awarded funding: 1248 K.€ This project involves a collaboration between the University of St. Gallen in Switzerland and Luxembourg Institute of Science and Technology, Luxembourg. The Luxembourg side of the project, funded by the FNR, involves 2 PostDocs and 1 Research Engineer for four years.  
**Role:** Main applicant  
**Year:** 2014
- **Name:** RationalArchitecture  
**Source:** FNR, Luxembourg  
**Size:** Awarded funding: 750 K.€ This project involves a collaboration between the University of Luxembourg and Luxembourg Institute of Science and Technology, Luxembourg. The project, funded by the FNR, involved 2 PhD students and 1 PostDoc.  
**Role:** Main applicant  
**Year:** 2012
- **Name:** ACET – Architectural Coordination of Enterprise Transformations  
**Source:** FNR, Luxembourg  
**Size:** Awarded funding: 934 K.€ This project involves a collaboration between the University of St. Gallen in Switzerland and Luxembourg Institute of Science and Technology, Luxembourg. The Luxembourg side of the project, funded by the FNR, involved 2 PhD students, 2 PostDocs and 1 Research Engineer for three years.  
**Role:** Main applicant  
**Year:** 2011
- **Name:** ASD – Agile Service Development  
**Source:** Ministry of Economic Affairs, the Netherlands  
**Size:** Awarded funding: 100 K.€ This project was a follow up of the original Archi-Mate project, and included next to LIST, Luxembourg, the following partners from the Netherlands: Be Informed, BiZZdesign, Everest, HU University of Applied Sciences Utrecht, IBM, Novay, O&i, PGGM, RuleManagement Group, Radboud University Nijmegen, TNO, Twente University, Utrecht University, and Voogd & Voogd. Funding was provided by the Dutch Government, and involved 1 PostDoc position at the LIST side for a year.  
**Role:** Co-applicant  
**Year:** 2010
- **Name:** ASINE – Architecture-based Service Innovation in Networked Enterprises  
**Source:** FNR Luxembourg  
**Size:** Awarded funding: 3300 K.€ This is a PEARL project, involving 4 PhD students, 2 PostDocs, 2 Research Engineers, and 1 Research Manager for a five year period.  
**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 4500 K.€  
**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:** AU\$ 7,000  
**Role:** Main applicant  
**Year:** 1996

## 8 Supervision of students

- More than forty Master Thesis projects as principal supervisor.
- More than five Bachelor Thesis as a principal supervisor.
- Primary supervisor (Dutch: Promotor) for PhD Thesis:
  1. M. Mulder, *Enabling the automatic verification and exchange of DEMO models*, 2021, Radboud University, Nijmegen, The Netherlands.
  2. Y. Bobbert, *Improving the Maturity of Business Information Security*, 2018, Radboud University, Nijmegen, The Netherlands.
  3. M. Bjeković, *Pragmatics of Enterprise Modelling Languages: A Framework for Understanding and Explaining*, 2018, Radboud University, Nijmegen, The Netherlands.
  4. G. Plataniotis, *EA Anamnesis - A Conceptual Framework for Enterprise Architecture Rationalization*, 2017, Radboud University, Nijmegen, The Netherlands.
  5. R. Ettema, *Using triangulation in Lean Six Sigma to explain quality problems – An enterprise engineering perspective*, 2016, Radboud University, Nijmegen, The Netherlands.
  6. H. Faller, *Organisational Subcultures and Enterprise Architecture Effectiveness: an Explanatory Theory*, 2016, Radboud University, Nijmegen, The Netherlands.
  7. D. van der Linden, *Personal semantics of meta-concepts in conceptual modelling languages*, 2015, Radboud University, Nijmegen, The Netherlands.



8. F. Tulinayo, *Combining System Dynamics with a Domain Modelling Method*, 2014, Radboud University, Nijmegen, The Netherlands.
  9. R. Wagter, Ordina, *Enterprise Coherence*, 2013, Radboud University, Nijmegen, The Netherlands.
  10. D. Ssebuggwawo, *Analysis and Evaluation of Modelling Processes*, 2012, Radboud University, Nijmegen, The Netherlands.
  11. A. Nakakawa, *A Collaborative Process for Enterprise Architecture Creation*, 2012, Radboud University, Nijmegen, The Netherlands.
  12. S. Overbeek, E-Office, *Bridging Supply and Demand for Knowledge Intensive Tasks*, 2009, Radboud University, Nijmegen, The Netherlands.
  13. J. Nabukenya, *Improving the Quality of Organisational Policy Making using Collaboration Engineering*, 2009, Radboud University, Nijmegen, The Netherlands.
  14. B. van Gils, *Aptness on the Web*, 2006, Radboud University, Nijmegen, The Netherlands.
  15. S. J. B. A. Hoppenbrouwers, *Freezing Language – Conceptualisation Processes across ICT-Supported Organisations*, 2004, Radboud University, Nijmegen, The Netherlands.
- Fellow-supervisor (Dutch: Mede-promotor) for PhD Thesis:
    1. M. Krouwel, *On the Design of Enterprise Ontology-Driven Software Development*, 2023, University of Maastricht, Maastricht, The Netherlands.
    2. M. Borgers, *Are Architecture Principles Effective?*, 2021, University of Maastricht, Maastricht, The Netherlands.
    3. I. Wilmont, *Cognitive Aspects of Conceptual Modelling*, 2020, Radboud University, Nijmegen, The Netherlands.
    4. M. Blaschke *Analysis and Design of Digital Value Co-creation Networks: Insights from Digital Platforms*, 2020, University of St. Gallen, St. Gallen, Switzerland.
    5. K. Leune, *Access Control and Service-Oriented Architectures*, 2007, Tilburg University, Tilburg, The Netherlands.
  - Associate-supervisor for PhD Thesis:
    1. A. P. Barros, *Conceptual Workflow Modelling*, University of Queensland, Brisbane, Australia, 1998.
    2. L. J. Bird-Campbell, *Data reverse engineering: From a relational database system to a three-dimensional conceptual schema*, University of Queensland, Brisbane, Australia, 1997.

## 9 Reviewing

### 9.1 General

- > 40 MSc. and Bsc. Thesis.
- > 15 PhD Thesis.
- Two Habilitation Thesis:
  - 2018, Dr. Robert Pergl, Technical University Prague, Czech Republic.
  - 2014, Dr. Stephan Aier, University of St. Gallen, Switzerland.
- Reviewer of project proposals to e.g. the Dutch Research Council, the Belgian Research Foundation, and the Natural Sciences and Engineering Research Council of Canada.

## 9.2 Conferences and workshops

Regular PC memberships of:

- 2019 – present, *VENMO – Value and Quality of Enterprise Modelling*
- 2018 – present, *Modellierung 2018*
- 2012 – present, *ECIS – European Conference on Information Systems* (ECIS)
- 2012 – present, *iWI – International Conference on Wirtschaftsinformatik*
- 2012 – present, *VMBO – Value Modelling and Business Ontology*
- 2012 – present, *EI2N – Enterprise Integration, Interoperability and Networking*
- 2011 – present, *BITA – Workshop on Business and IT Alignment*
- 2011 – present, *CBI – IEEE Conference on Business Informatics*
- 2011 – present, *EDOC – IEEE Enterprise Computing Conference*
- 2011 – present, *RCIS – International Conference on Research Challenges in Information Science*
- 2011 – present, *SoEA4EE – Workshop on Service oriented Enterprise Architecture for Enterprise Engineering*
- 2010 – present, *ER – International Conference on Conceptual Modelling*
- 2008 – present, *EEWC – Enterprise Engineering Working Conference (formerly CIAO! workshop)*
- 2008 – present, *EEWC-DC – EEWC Doctoral Consortium (formerly CIAO! Doctoral Consortium)*
- 2007 – present, *CAiSE – International Conference on Advanced Information Systems Engineering*
- 2007 – present, *EMISA – Enterprise Modelling and Information Systems Architectures workshop*
- 2006 – present, *EMMSAD – Exploring Modelling Methods in Systems Analysis and Design workshop*
- 2005 – present, *FBM – Fact-Based Modelling (formerly ORM workshop on Object-Role Modelling) workshop*
- 2008 – present, *PoEM – Practise of Enterprise Modelling working conference*
- 2006 – 2020, *TEAR – Workshop on Trends in Enterprise Architecture Research*
- 2012 – 2016, *BPMS2 – Workshop on Social and Human Aspects of Business Process Management*
- 2010 – 2014, *DESRIST – Design Science Research in Information Systems and Technology conference*
- 2009 – 2013, *PRET – Practice-driven Research on Enterprise Transformation working conference*
- 2000 – 2004, *The National Architecture Congres (Landelijk Architectuurcongres)*

- 1999 – 2011, *ECDM – The Bi-Annual International Workshop on Evolution and Change in Data Management*

Further PC memberships include:

- 2021, *SISFAI*
- 2021, *ODCM-DT*
- 2021, *VORTE*
- 2021, *BITA*
- 2019, *ICIST*
- 2019, *IDEA*
- 2019, *BPM – Business Process Management Conference*
- 2019, *S-BPM ONE*
- 2018, *BIR*
- 2016, *ES*
- 2015, *CoBI*
- 2015, *ES*
- 2015, *ICIST*
- 2015, *S-BPM ONE*
- 2014, *CoBI*
- 2014, *MKWI*
- 2014, *MCIS*
- 2014, *QMMQ*
- 2014, *WEETM*
- 2013, *AMINO workshop*
- 2013, *CAiSE conference, Doctoral Consortium*
- 2013, *CAIW*
- 2013, *MeDMoT*
- 2013, *YAWL*
- 2012, *EIS*
- 2012, *MCIS*
- 2012, *MeDMoT*
- 2012, *MGC*
- 2011, *EIS*
- 2011, *IEEE CloudCom*

- 2011, *ME*
- 2011, *SOCA*
- 2010, *CRIWG*
- 2010, *HICCS*
- 2010, *PEAM*
- 2009, *CAiSE conference, Doctoral Consortium*
- 2009, *LAP – Language Action Perspective working conference*
- 2008, *ECMD*
- 2008, *ISREP*
- 2008, *ReMoD*
- 2008, *SIGSAND-EUROPE*
- 2007, *PhiCoMo*
- 2007, *SME – IFIP WG8.1 Working Conference on Situational Method Engineering: Fundamentals and Experiences*
- 2006, *ACDM workshop*
- 2006, *ACDM*
- 2006, *IFIP International Conference on The past and future of Information Systems: 1976-2006*
- 2000, *ADL – International conference on Advances in Digital Libraries*

### 9.3 Journals

Numerous papers submitted to journals, such as:

- Business Information Systems Engineering (Wirtschaftsinformatik)
- Computer Journal
- Enterprise Information Systems
- Enterprise Modelling and Information Systems Architectures
- Data & Knowledge Engineering
- IEEE Transactions on Data & Knowledge Engineering
- Innovations in Systems and Software Engineering
- Information Systems (Pergamon)
- Information Systems and e-Business Management
- International Journal of Cooperative Information Systems
- International Journal of Information System Modelling and Design

- International Journal on Concurrent Engineering Research and Applications.
- Journal of Interaction Science
- Journal of Strategic Information Systems
- Software and Systems Journal

## 10 Academic leadership

- 2021, chair of the assessment committee of a PhD defence, involving a cotutelle Université Paris-Saclay and the University of Luxembourg.
- 2016 – 2018, Head of Academic Affairs, Luxembourg Institute of Science and Technology, Luxembourg.
- 2017, member of the assessment committee for a position as Associate professor, Norwegian University of Science and Technology (NTNU), Norway.
- 2014, member of the assessment committee for a promotion to Associate Professor at the KTH (Royal Institute of Technology), Stockholm, Sweden.
- 2013, member of the assessment committee of Research & Collaboration, University of Skövde, Skövde, Sweden.
- 2011, member of the assessment committee for a promotion to Associate Professor at the KTH (Royal Institute of Technology), Stockholm, Sweden.
- 2010, member of the assessment committee for a promotion to Senior Lecturer, at the Faculty of Engineering Sciences Ben-Gurion University of the Negev, Israel.
- 2009, member of the assessment committee for a promotion to Full Professor at the KTH (Royal Institute of Technology), Stockholm, Sweden.
- 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 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.
- 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.

## 11 Organising committee and editorships

### 11.1 Co-chairing of conferences and workshops

- 2022, industry co-chair of the *ER – International Conference on Conceptual Modeling*.
- 2021, co-chair of the: *EEWC – Enterprise Engineering Working Conference*.
- 2021, co-chair of the: *TEAR – Trends in Enterprise Architecture Research* workshop.
- 2021, general co-chair of the: *IEEE CBI – Conference on Business Informatics*.
- 2020, workshops co-chair of the: *CAiSE – Conference on advanced Information Systems Engineering*.
- 2020, General co-chair of the: *IEEE CBI – Conference on Business Informatics*.
- 2020, co-chair of the: *EEWC – Enterprise Engineering Working Conference*.
- 2019, workshops co-chair of the: *CAiSE – Conference on advanced Information Systems Engineering*.
- 2019, general chair of the: *PoEM - Practice of Enterprise Modelling* working conference.
- 2018, co-chair of a track at the *ECIS – European Conference on Information Systems*.
- 2018, programme committee co-chair of the: *CoopIS – Cooperative Information Systems* conference.
- 2018, programme committee co-chair of the: *IEEE CBI - Conference on Business Informatics*.
- 2018, co-chair of the: *EEWC – Enterprise Engineering Working Conference*.
- 2017, co-chair of the: *EEWC – Enterprise Engineering Working Conference*.
- 2015, co-chair of a track on enterprise transformation at the *ECIS – European Conference on Information Systems*.
- 2014, chair of the *EMMSAD – Exploring Modelling Methods for Systems Analysis and Design* working conference.
- 2014, programme committee co-chair of the: *IEEE CBI - Conference on Business Informatics*.
- 2013, chair of the *EMMSAD – Exploring Modelling Methods for Systems Analysis and Design* working conference.
- 2013, co-chair of a track on enterprise transformation at the *ECIS – European Conference on Information Systems*.
- 2013, co-chair of the *PRET – Working conference on Practice-driven Research on Enterprise Transformations*.
- 2012, chair of the *EMMSAD – Exploring Modelling Methods for Systems Analysis and Design* working conference.
- 2012, co-chair of a track on enterprise transformation at the *ECIS – European Conference on Information Systems*.
- 2012, co-chair of the *TEAR – Trends in Enterprise Architecture Research* workshop.

- 2011, chair of the *EMMSAD – Exploring Modelling Methods for Systems Analysis and Design* working conference.
- 2011, co-chair of the *PRET – Working conference on Practice-driven Research on Enterprise Transformations*.
- 2011, programme committee co-chair of the *CEC – Conference on Commerce and Enterprise Computing*.
- 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* working conference.
- 2010, general chair of the Enterprise Engineering Week, a week bringing together three events related to enterprise engineering: the PoEM working conference, PRET working conference and TEAR workshop.
- 2010, co-chair of a track on enterprise transformation at the *ECIS – European Conference on Information Systems*.
- 2010, co-chair of the *PRET – Working conference on Practice-driven Research on Enterprise Transformations*.
- 2010, chair of the *EMMSAD – Exploring Modelling Methods for Systems Analysis and Design* working conference.
- 2010, co-chair of the *TEAR – Trends in Enterprise Architecture Research* workshop.
- 2009, chair of the *EMMSAD – Exploring Modelling Methods for Systems Analysis and Design* working conference.
- 2009, co-chair of the *PRET – Working conference on Practice-driven Research on Enterprise Transformations*.
- 2008, chair of the *EMMSAD – Exploring Modelling Methods for Systems Analysis and Design* working conference.
- 2007, chair of the *EMMSAD – Exploring Modelling Methods for Systems Analysis and Design* working conference.
- 2006, chair of the *EMMSAD – Exploring Modelling Methods for Systems Analysis and Design* working conference.
- 2001, chairman of the: *The Ordina Round Table Conference on Knowledge Management for Flexible Project Teams*, Echteld, the Netherlands.
- 2001, organising committee member of the: *First Component Based Software Day*, CWI, Amsterdam, the Netherlands.
- 2000, chairman of the: *The OrdinaRound Table Conference on Business-ICT alignment*, Echteld, the Netherlands.

## 11.2 Steering & advisory committees

- 2015 – present, advisory committee member of the *EMMSAD – Exploring Modelling Methods for Systems Analysis and Design* working conference.
- 2011 – present, steering committee member of the *IEEE CBI – Conference on Business Informatics*.
- 2010 – present, steering committee member of the *TEAR – Trends in Enterprise Architecture Research* workshop.
- 2015 – present, advisory board member of the *EEWC – Enterprise Engineering Working Conference*.

## 11.3 Editorships

Associate Editor of:

- 2013 – present, International Journal on Multidisciplinary Approaches to Innovation (JIM).
- 2012 – present, Business Information Systems Engineering (Wirtschaftsinformatik) Journal.
- 2009 – present, International Journal of Information System Modelling and Design (IJISMD).
- 2006 – present, Enterprise Modelling and Information Systems Architectures (EMISA) Journal.
- 2001 – present, International Journal of Cooperative Information Systems (IJCIS), World Scientific.
- 2002 – 2013, Data & Knowledge Engineering, North-Holland/Elsevier-Science.
- 2006 – 2010, Via Nova Architectura, on-line journal, <http://www.via-nova-architectura.org>.

Editor of:

- 2008 – present, series (founding) co-editor in chief of Springer's *Enterprise Engineering* series.
- 2016 – 2019, Journal of Organisational Design & Enterprise Engineering (OD&EE).
- 2008, a special issue of Enterprise Modelling and Information Systems Architectures focussing on Enterprise Architecture.

## 12 Membership of professional organisations

- Association for Computing Machinery (ACM)
- Gesellschaft für Informatik (GI)
- Deutscher Hochschulverband (DHV)
- International Federation of Information Processing (IFIP) 8.1 working group.



## 13 Keynotes

- 2021, *Enterprises as model-driven systems*, delivered at the *International Information Management Association (IIMA) Conference 2021*, Utrecht, the Netherlands.
- 2020, *Enterprise Systems Architectures – Essentials*, delivered at the *International Joint Conference on e-Business and Telecommunications (ICETE)*, Lieusaint, Paris, France.
- 2019, *Enterprise modelling in the digital age: Challenges and opportunities*, delivered at the *SoEA4EE workshop at the IEEE EDOC conference*, Paris, France.
- 2017, *Subject-oriented Modelling for Smart Systems*, delivered at the *S-BPM ONE*, Darmstadt, Germany.
- 2017, *Organisational Design & Enterprise Engineering: Two sides of the same coin?*, delivered at the *Innovations in Software Engineering Conference (ISEC)*, Jaipur, India.
- 2017, *Integrated Modelling Landscapes: What is realistic?*, delivered at the *Modelling Symposium (ModSym)*, Jaipur, India.
- 2015, *Model-enabled design in organisations*, delivered at the *INFORSID*, Biarritz, France.
- 2015, *Enterprise Engineering – Informed steering of enterprises in motion*, delivered at the *Annual Conference of the Associação Portuguesa de Sistemas de Informação (CAPSI)*, Lisbon, Portugal.
- 2014, *Understanding EE modelling-landscapes*, delivered at the *Business Modelling and Software Design (BMSD)*, Kirchberg, Luxembourg.
- 2014, *Enterprise Architecture and Process Improvement: How one may learn from the other*, delivered at the *EuroSPI*, Kirchberg, Luxembourg.
- 2013, *Enterprise Service Innovation*, delivered at the *International Conference on Enterprise Information Systems (ICEIS)*, Angers, France.
- 2012, *Enterprise Service Innovation*, delivered at the *IBM Big Data Analytics Day*, Frankfurt, Germany.
- 2012, *Enterprise Architecture – A guided tour between theory and practice*, delivered at the *Enterprise Architecture Symposium*, Stockholm, Sweden.
- 2012, *Engineering & Emergence in Enterprises – A story of 4 Es*, delivered at the *Enterprise Engineering Working Conference (EEWC)*, Kirchberg, Luxembourg.
- 2011, *Principles in an Enterprise Architecture Context*, delivered at the *The Open Group Conference*, Amsterdam, the Netherlands.
- 2010, *Architectures for Service Innovation*, delivered at the *The Open Group Conference*, Rome, Italy.
- 2009, *DEMO en Archimate*, delivered at the *EAM Congres*, Zeist, the Netherlands.
- 2009, *Clouds in an architecture perspective*, delivered at the *CIO Network*, Utrecht, the Netherlands.
- 2009, *Business Rules & Enterprise Modelling*, delivered at the *Business Rules Conferemce*, Utrecht, the Netherlands.
- 2008, *Quality in Model-driven*, delivered at the *VVSS*, Eindhoven, the Netherlands.
- 2006, *What is SoA?*, delivered at the *EuroForum 2006*, Utrecht, the Netherlands.

- 2004, *Informatiekunde; Exacte Vaagheid*, delivered at the *SIGCHI Dutch Chapter*, Utrecht, the Netherlands.
- 2003, *Sturen door Inzicht*, delivered at the *ICT Kenniscongres*, Den Haag, the Netherlands.
- 2002, *Should we stop acting like control freaks?*, delivered at the *Dutch Component Based Development workshop*, Den Haag, the Netherlands.
- 2001, *ActorWeb – Towards a deeper understanding of system architectures*, delivered at the *ICT Kenniscongres*, Den Haag, the Netherlands.

## 14 Taught courses & lectures

- **Title:** Enterprise Architecture  
**Period:** 2018 – Present  
**Format:** A 3ec course in a Master of Business Informatics  
**Organisation:** TU Wien, Austria
- **Title:** Architecture and Business Strategy  
**Period:** 2011 – Present  
**Format:** A 3ec course in a Master in Information System Security Management  
**Organisation:** University of Luxembourg, Luxembourg
- **Title:** Strategic Alignment and Business Modelling  
**Period:** 2011 – Present  
**Format:** A 3ec course in a Master in Informatics Methods Applied to Business Management  
**Organisation:** University of Lorraine, France
- **Title:** Methods and Models for the Strategic Alignment of Business and IT  
**Period:** 2018 – Present  
**Format:** A 5ec course in a Master of Computer Science  
**Organisation:** University of Namur, Belgium
- **Title:** Enterprise Architecture with ArchiMate & Friends  
**Period:** 2019 – Present  
**Format:** A two-day lecture in 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 Frameworks  
**Period:** 2011 – 2019  
**Format:** A one-day lecture in an Executive Master in Enterprise IT Architecture  
**Organisation:** University of Antwerp, Belgium
- **Title:** Enterprise Architecture  
**Period:** 2011 – 2014  
**Format:** A two day lecture block in a Master on IT Governance  
**Organisation:** Luxembourg Institute of 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:** Digital Enterprise Engineering  
**Period:** 2014  
**Format:** A two day PhD Course on Digital Enterprise Engineering  
**Organisation:** University of Jyväskylä, Helsinki, Finland
- **Title:** Enterprise Architecture and Service Innovation  
**Period:** 2012 – 2014  
**Format:** A two day lecture block in a Master on IT and Innovation  
**Organisation:** TU Wien, 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

## 15 Invited lectures

- 2021, *Informed Governance of Enterprise Transformations*, guest lecture at the *EA Debt Student Workshop*, Frankfurt University of Applied Sciences, Frankfurt, Germany.
- 2020, *Domain Modelling – Understanding the things we talk about*, guest lecture at the *CSE Distinguished Seminar Series*, TU Lisbon, Portugal.
- 2020, *Domain Modelling – Understanding the things we talk about*, guest lecture at the *LISTen up! webinar*, Luxembourg Institute of Science and Technology, Belval, Luxembourg.
- 2020, *Enterprise Systems Architectures – Essentials*, guest lecture at the *LISTen up! webinar*, Luxembourg Institute of Science and Technology, Belval, Luxembourg.
- 2019, *Grounded Enterprise Modelling*, guest lecture at the *NEMO Summer School*, Vienna University, Austria.
- 2019, *Fundamental challenges in systems modelling*, guest lecture at the *University of St. Gallen*, Switzerland.
- 2018, *Towards grounded enterprise modelling*, guest lecture at the *University of Bozen/Bolzano*, Italy.

- 2018, *Grounded Enterprise Modelling*, guest lecture at the *NEMO Summer School*, Vienna University, Austria.
- 2017, *Grounded Enterprise Modelling*, guest lecture at the *NEMO Summer School*, Vienna University, Austria.
- 2017, *Enterprise Engineering – Scope & Challenges*, guest lecture at the *Higer School of Economics*, Nizhny Novgorod, Russia.
- 2017, *EA in 60 minutes*, guest lecture at the *Allianz*, München, Germany.
- 2015, *SmartChange for Organisations in Motion*, guest lecture at the *Utrecht University*, Utrecht, the Netherlands.
- 2015, *Model-enabled design in organisations*, guest lecture at the *National University of Singapore*, Singapore.
- 2014, *Informed steering of enterprises in motion*, guest lecture at the *CNAM*, Paris, France.
- 2014, *Enterprise Architecture – Informed steering of enterprises in motion*, guest lecture at the *University of Jyväskylä*, Helsinki, Finland.
- 2012, *Architecture-based Service Innovation*, guest lecture at the *Queensland University of Technology*, Brisbane, Australia.
- 2011, *Enterprise Architecture: A means for Informed Governance of Enterprise Transformations*, guest lecture at the *BGL*, Kirchberg, Luxembourg.
- 2011, *Architecture Principles – The Cornerstone of Enterprise Architecture*, guest lecture at the *Capgemini*, Utrecht, the Netherlands.
- 2011, *Architecture Modelling: Why, What, How*, guest lecture at the *SAP Netherlands*, Den Bosch, the Netherlands.
- 2011, *Architecture Modelling: Why, What, How*, guest lecture at the *Club Urba*, Paris, France.
- 2010, *Enterprise Architecture – Creating value by informed governance*, guest lecture at the *IDC*, Lisbon, Portugal.
- 2010, *Architecture-based Service Innovation in Networked Enterprises*, guest lecture at the *Karlsruhe Institute of Technology (KIT)*, Karlsruhe, Germany.
- 2009, *Information Architecture*, guest lecture at the *HAN University of Applied Sciences*, Arnhem, the Netherlands.
- 2009, *Enterprise Architecture – A guided tour between theory and practice*, guest lecture at the *Ahold*, Amsterdam, the Netherlands.
- 2009, *Architectuur in de Digitale Wereld*, guest lecture at the *HU University of Applied Sciences*, Utrecht, the Netherlands.
- 2009, *Architecture as a means for Informed Governance*, guest lecture at the *NAF Insights*, Zeist, the Netherlands.
- 2008, *Business rules & architecture principles: Common roots; yet differing roles*, guest lecture at the *Radboud University*, Nijmegen, the Netherlands, Caput College.
- 2005, *The act of modeling: Context and understanding*, guest lecture at the *University of Duisburg-Essen*, Duisburg, Germany.

- 2004, *Domain Modelling – Anchoring semantics in information systems engineering*, guest lecture at the *SIKS Doctoral School*, Vught, the Netherlands.
- 2003, *Architecture-driven System Development – A system theory perspective*, guest lecture at the *SIKS Doctoral School*, Vught, the Netherlands.

## 16 Leadership in teaching

- 2008 – present, Member of the Advisory Board of the Master of Informatics, HU University of Applied Science, Utrecht, the Netherlands.
- 2011, Chair of an accreditation committee of the Dutch/Flemish Accreditation Organisation (NVAO), Pertaining to an Executive Master on Information Management, TiasNimbas Management School.
- 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.
- 2010, 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.
- 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.
- 2009, 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.
- 2004 – 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.
- 2002 – 2007, Theme leader of the Architecture-driven System Development research focus of the post-graduate school: *Research School for Information and Knowledge Systems (SIKS)*.
- 2004 – 2007, Member of Teaching Committee (Onderwijscommissie) of the NIII, Radboud University, Nijmegen, The Netherlands.
- 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.
- 2002 – 2003, Leader of the curriculum development team for the Business Informatics MSc. and BSc. Program (Curriculum 2003) at Radboud University, Nijmegen, The Netherlands. In its first accreditation (2007), this program was evaluated as the best among three public Universities in the Netherlands offering such programmes.
- 2002 – 2004, Program coordinator, Information Science Program, Radboud University, Nijmegen, The Netherlands.
- 2002, Member of the Information Technology curriculum advisory board for the Hogeschool van Amsterdam/Brabant, Amsterdam, the Netherlands.



## 17 Industrial leadership

- 2021 – present, Member of the Academic Advisory Board of the Business Architecture Guild.
- 2008 – 2012, Vice-chair of the ArchiMate forum of the The Open Group.
- 2009 – 2012, Member of the Business Architecture Certification working group, The Open Group.
- 2007 – 2012, Member of the advisory committee of Ordina’s GEA (Generic Enterprise Architecting) Innovation Platform.
- 2008 – 2012, Vice-chair of the ArchiMate forum of The Open Group.
- 2002 – 2003, 2007 – 2010, Co-founder and board member of Netherlands Architecture Forum (NAF).
- 2010 – 2010, Label-leader for the Architecture Domain, Capgemini Academy, Utrecht, the Netherlands.
- 2008 – 2010, Leader of the Architecture Service-Line, Capgemini, Utrecht, The Netherlands.
- 2002 – 2003, 2007 – 2010, Co-founder and board member of the Netherlands Architecture Forum (NAF).
- 2009 – 2010, Leader of the Architecture Expert Group within Financial Services, Capgemini, Utrecht, The Netherlands.
- 2007 – 2008, Co-founder, board member and treasurer of the ArchiMate foundation.

## 18 Publications

### 18.1 Books

1. Aleksandar Gavric, Dominik Bork, and Henderik A. Proper. Multimodal process mining. In *26th International Conference on Business Informatics, CBI 2024, Vienna, Austria, September 9-13, 2024*, pages 99–108, Washington DC, USA, 2024. IEEE Computer Society.
2. Vinay Kulkarni, Sreedhar Reddy, Tony Clark, and Henderik A. Proper. *The AI-Enabled Enterprise*. The Enterprise Engineering Series. Springer, Berlin, Germany, 2024.
3. Henderik A. Proper, Robert Winter, Stephan Aier, and Sybren de Kinderen, editors. *Architectural Coordination of Enterprise Transformation*. The Enterprise Engineering Series. Springer, Berlin, Germany, 2018.
4. Farhad Arbab, Saco F. Bekius, Marcello M. Bonsangue, Hans Bosma, Jan T. P. Campschroer, Mat J. Cuvelier, Peter Fennema, Luuk Groenewegen, Stijn J. B. A. Hoppenbrouwers, Maria-Eugenia Iacob, Wil P. M. Janssen, Henk Jonkers, Dennis Krukkert, Marc M. Lankhorst, Peter G. M. Penders, Henderik A. Proper, Robert J. Slagter, Andries W. Stam, Maarten W. A. Steen, Roel J. Wieringa, Frank S. de Boer, Hugo W. L. ter Doest, René van Buuren, Pascal A. T. van Eck, Diederik van Leeuwen, Leon W. N. van der Torre, and Gert E. Veldhuijzen van Zanten. *Enterprise Architecture at Work: Modeling, Communication and Analysis*. The Enterprise Engineering Series. Springer, Berlin, Germany, 4th edition, 2017.
5. Maria-Eugenia Iacob, Henk Jonkers, Marc M. Lankhorst, Henderik A. Proper, and Dick A. C. Quartel. *ArchiMate 2.1 Specification*. The Open Group Series. Van Haren, Zaltbommel, The Netherlands, December 2013.

6. Farhad Arbab, Saco F. Bekius, Marcello M. Bonsangue, Hans Bosma, Jan T. P. Campschroer, Mat J. Cuvelier, Peter Fennema, Luuk Groenewegen, Stijn J. B. A. Hoppenbrouwers, Maria-Eugenia Iacob, Wil P. M. Janssen, Henk Jonkers, Dennis Krukkert, Marc M. Lankhorst, Peter G. M. Penders, Henderik A. Proper, Robert J. Slagter, Andries W. Stam, Maarten W. A. Steen, Roel J. Wieringa, Frank S. de Boer, Hugo W. L. ter Doest, René van Buuren, Pascal A. T. van Eck, Diederik van Leeuwen, Leon W. N. van der Torre, and Gert E. Veldhuijzen van Zanten. *Enterprise Architecture at Work: Modeling, Communication and Analysis*. The Enterprise Engineering Series. Springer, Berlin, Germany, 3rd edition, 2013.
7. Maria-Eugenia Iacob, Henk Jonkers, Marc M. Lankhorst, Henderik A. Proper, and Dick A. C. Quartel. *ArchiMate 2.0 Specification*. Van Haren, Zaltbommel, The Netherlands, 2012.
8. Marc M. Lankhorst, Wil P. M. Janssen, Henderik A. Proper, Maarten W. A. Steen, M. M. Zoet, Wolfgang A. Molnar, Maria-Eugenia Iacob, Henk Jonkers, Wilco Engelsman, Johan Versendaal, L. G. J. Debije, Khaled Gaaloul, A. Schrier, A. W. Heerink, Stijn J. B. A. Hoppenbrouwers, Wim van Stokkum, Ilona Wilmont, and Dirk J. T. van der Linden. *Agile Service Development – Combining Adaptive Methods and Flexible Solutions*. The Enterprise Engineering Series. Springer, Berlin, Germany, 2012.
9. Danny Greefhorst and Henderik A. Proper. *Architecture Principles – The Cornerstones of Enterprise Architecture*, volume 4 of *The Enterprise Engineering Series*. Springer, Berlin, Germany, 2011.
10. Maria-Eugenia Iacob, Henk Jonkers, Marc M. Lankhorst, and Henderik A. Proper. *ArchiMate 1.0 Specification*. Van Haren, Zaltbommel, The Netherlands, 2009.
11. Martin Op ’t Land, Henderik A. Proper, Maarten Waage, Jeroen Cloo, and Claudia Steghuis. *Enterprise Architecture – Creating Value by Informed Governance*. The Enterprise Engineering Series. Springer, Berlin, Germany, 2009.
12. Farhad Arbab, Saco F. Bekius, Marcello M. Bonsangue, Hans Bosma, Jan T. P. Campschroer, Mat J. Cuvelier, Peter Fennema, Luuk Groenewegen, Stijn J. B. A. Hoppenbrouwers, Maria-Eugenia Iacob, Wil P. M. Janssen, Henk Jonkers, Dennis Krukkert, Marc M. Lankhorst, Peter G. M. Penders, Henderik A. Proper, Robert J. Slagter, Andries W. Stam, Maarten W. A. Steen, Roel J. Wieringa, Frank S. de Boer, Hugo W. L. ter Doest, René van Buuren, Pascal A. T. van Eck, Diederik van Leeuwen, Leon W. N. van der Torre, and Gert E. Veldhuijzen van Zanten. *Enterprise Architecture at Work: Modeling, Communication and Analysis*. The Enterprise Engineering Series. Springer, Berlin, Germany, 2nd edition, 2009.
13. Roel J. Wieringa, Pascal A. T. van Eck, Claudia Steghuis, and Henderik A. Proper. *Competences of IT Architects*. Academic Service – SDU, The Hague, Netherlands, 2008.
14. Farhad Arbab, Saco F. Bekius, Marcello M. Bonsangue, Hans Bosma, Jan T. P. Campschroer, Mat J. Cuvelier, Peter Fennema, Luuk Groenewegen, Stijn J. B. A. Hoppenbrouwers, Maria-Eugenia Iacob, Wil P. M. Janssen, Henk Jonkers, Dennis Krukkert, Marc M. Lankhorst, Peter G. M. Penders, Henderik A. Proper, Robert J. Slagter, Andries W. Stam, Maarten W. A. Steen, Roel J. Wieringa, Frank S. de Boer, Hugo W. L. ter Doest, René van Buuren, Pascal A. T. van Eck, Diederik van Leeuwen, Leon W. N. van der Torre, and Gert E. Veldhuijzen van Zanten. *Enterprise Architecture at Work: Modeling, Communication and Analysis*. Springer, Berlin, Germany, 2005.
15. Henderik A. Proper. *Informatiekunde; Exacte Vaagheid*. Nijmegen Institute for Information and Computing Sciences, University of Nijmegen, Nijmegen, The Netherlands, November 2003.
16. Henderik A. Proper, editor. *ISP for Large-Scale Migrations*. Information Services Procurement Library. Ten Hagen & Stam, Den Haag, The Netherlands, 2001.

17. Henderik A. Proper. *A Theory for Conceptual Modelling of Evolving Application Domains*. PhD thesis, University of Nijmegen, Nijmegen, The Netherlands, 1994.

## 18.2 Edited Books

1. Monika Kaczmarek-Heß, Kristina Rosenthal, Marek Suchánek, Miguel Mira da Silva, Henderik A. Proper, and Marianne Schnellmann, editors. *Enterprise Design, Operations, and Computing. EDOC 2024 Workshops – iRESEARCH, MIDas4CS, Doctoral Consortium, Joint CBI-EDOC Forum and Other Joint CBI-EDOC Events, Vienna, Austria, September 10-13, 2024, Revised Selected Papers*, volume 537 of *Lecture Notes in Business Information Processing*, Berlin, Germany, 2025. Springer.
2. José Borbinha, Tiago Prince Sales, Miguel Mira da Silva, Henderik A. Proper, and Marianne Schnellmann, editors. *Enterprise Design, Operations, and Computing – 28th International Conference, EDOC 2024, Vienna, Austria, September 10-13, 2024, Revised Selected Papers*, volume 15409 of *Lecture Notes in Computer Science*, Berlin, Germany, 2025. Springer.
3. Raimundas Matulevičius and Henderik A. Proper, editors. *Proceedings of the Research Projects Exhibition Papers Presented at the 36th International Conference on Advanced Information Systems Engineering (CAiSE 2024), Limassol, Cyprus, June 3-7, 2024*, volume 3692 of *CEUR Workshop Proceedings*, Aachen, Germany, 2024. CEUR-WS.org.
4. Henderik A. Proper, Luise Pufahl, Dimka Karastoyanova, Marten J. van Sinderen, and João L. R. Moreira, editors. *Enterprise Design, Operations, and Computing – 27th International Conference, EDOC 2023, Groningen, The Netherlands, October 30 – November 3, 2023, Proceedings*, volume 14367 of *Lecture Notes in Computer Science*, Berlin, Germany, 2024. Springer.
5. Monika Malinova Mandelburger, Sérgio Guerreiro, Cristine Griffo, David Aveiro, Henderik A. Proper, and Marianne Schnellmann, editors. *Advances in Enterprise Engineering XVII – 13th Enterprise Design and Engineering Working Conference, EDEWC 2023, Vienna, Austria, November 28-29, 2023, Revised Selected Papers*, volume 510 of *Lecture Notes in Business Information Processing*, Berlin, Germany, 2024. Springer.
6. Tiago Prince Sales, David Aveiro, Henderik A. Proper, Petra Maria Asprion, Alessandro Marcelletti, Andrea Morichetta, Bettina Schneider, Philipp Zech, Vinay Kulkarni, Ruth Breu, Souvik Barat, Geert Poels, Jonas Van Riel, Rodrigo Fernandes Calhau, Dominik Bork, Mark A. T. Mulder, Sybren de Kinderen, Sérgio Guerreiro, and Cristine Griffo, editors. *Companion Proceedings of the 16th IFIP WG 8.1 Working Conference on the Practice of Enterprise Modeling and the 13th Enterprise Design and Engineering Working Conference: BES, DTE, FACETE, Tools & Demos, Forum, EDEN Doctoral Consortium co-located with PoEM 2023, Vienna, Austria, November 28 – December 01, 2023, Proceedings*, volume 3645 of *CEUR Workshop Proceedings*, Aachen, Germany, 2024. CEUR-WS.org.
7. Henderik A. Proper, Bas van Gils, and M. Kazem Haki, editors. *Digital Enterprises – Service-Focused, Digitally-Powered, Data-Fueled*. The Enterprise Engineering Series. Springer, Berlin, Germany, 2024.
8. João Paulo A. Almeida, Monika Kaczmarek-Heß, Agnes Koschmider, and Henderik A. Proper, editors. *The Practice of Enterprise Modeling – 16th IFIP 8.1 Working Conference, PoEM 2023, Vienna, Austria, November 28 – December 1, 2023, Proceedings*, volume 497 of *Lecture Notes in Business Information Processing*, Berlin, Germany, 2024. Springer.
9. Tiago Prince Sales, Sybren de Kinderen, Henderik A. Proper, Luise Pufahl, Dimka Karastoyanova, and Marten J. van Sinderen, editors. *Enterprise Design, Operations, and Computing. EDOC 2023 Workshops: IDAMS, iRESEARCH, MIDas4CS, SoEA4EE, EDOC*

*Forum, Demonstrations Track and Doctoral Consortium, Groningen, The Netherlands, October 30–November 3, 2023, Revised Selected Papers*, volume 498 of *Lecture Notes in Business Information Processing*, Berlin, Germany, 2024. Springer.

10. Han van der Aa, Dominik Bork, Henderik A. Proper, and Rainer Schmidt, editors. *Enterprise, Business-Process and Information Systems Modeling – 24th International Conference, BPMDS 2023, and 28th International Conference, EMMSAD 2023, Zaragoza, Spain, June 12-13, 2023, Proceedings*, volume 479 of *Lecture Notes in Business Information Processing*, Berlin, Germany, 2023. Springer.
11. Tiago Prince Sales, Henderik A. Proper, Giancarlo Guizzardi, Marco Montali, Fabrizio M. Maggi, and Claudenir M. Fonseca, editors. *Enterprise Design, Operations, and Computing. EDOC 2022 Workshops – IDAMS, SoEA4EE, TEAR, EDOC Forum, Demonstrations Track and Doctoral Consortium, Bozen-Bolzano, Italy, October 4-7, 2022, Revised Selected Papers*, volume 466 of *Lecture Notes in Business Information Processing*, Berlin, Germany, 2023. Springer.
12. Sérgio Guerreiro, David Aveiro, Henderik A. Proper, Marné de Vries, Hans B. F. Mulder, and Martin Op ’t Land, editors. *Proceedings of the 21st CIAO! Doctoral Consortium, and Enterprise Engineering Working Conference Forum 2021 co-located with 11th Enterprise Engineering Working Conference (EEWC 2021), November 11th-12th and December 16th-17th, 2021, executed fully online*, volume 3115 of *CEUR Workshop Proceedings*, Aachen, Germany, 2022. CEUR-WS.org.
13. David Aveiro, Henderik A. Proper, Sérgio Guerreiro, and Marné de Vries, editors. *Advances in Enterprise Engineering XV – 11th Enterprise Engineering Working Conference, EEWC 2021, Virtual Event, November 12, 2021, and December 16-17, 2021, Revised Selected Papers*, volume 441 of *Lecture Notes in Business Information Processing*, Berlin, Germany, 2022. Springer.
14. David Aveiro, Giancarlo Guizzardi, Robert Pergl, and Henderik A. Proper, editors. *Advances in Enterprise Engineering XIV – 10th Enterprise Engineering Working Conference, EEWC 2020, Bozen-Bolzano, Italy, September 28, October 19, and November 9-10, 2020, Revised Selected Papers*, volume 411 of *Lecture Notes in Business Information Processing*, Berlin, Germany, April 2021. Springer.
15. João Paulo A. Almeida, Dominik Bork, Giancarlo Guizzardi, Marco Montali, Henderik A. Proper, and Tiago Prince Sales, editors. *23rd IEEE Conference on Business Informatics, CBI 2021, Bolzano, Italy, September 1-3, 2021. Volume 1*, Washington DC, USA, 2021. IEEE Computer Society.
16. João Paulo A. Almeida, Dominik Bork, Giancarlo Guizzardi, Marco Montali, Henderik A. Proper, and Tiago Prince Sales, editors. *23rd IEEE Conference on Business Informatics, CBI 2021, Bolzano, Italy, September 1-3, 2021. Volume 2*, Washington DC, USA, 2021. IEEE Computer Society.
17. Christophe Feltus, Paul Johannesson, and Henderik A. Proper, editors. *Proceedings of the Practice of Enterprise Modelling 2019 Conference Forum (short papers), Luxembourg, November 27-29, 2019*, volume 2586 of *CEUR Workshop Proceedings*, Aachen, Germany, 2020. CEUR-WS.org.
18. Sophie Dupuy-Chessa and Henderik A. Proper, editors. *Advanced Information Systems Engineering Workshops – CAiSE 2020 International Workshops, Grenoble, France, June 8-12, 2020, Proceedings*, volume 382 of *Lecture Notes in Business Information Processing*, Berlin, Germany, 2020. Springer.

19. Henderik A. Proper and Janis Stirna, editors. *Advanced Information Systems Engineering Workshops – CAiSE 2019 International Workshops, Rome, Italy, June 3-7, 2019, Proceedings*, volume 349 of *Lecture Notes in Business Information Processing*, Berlin, Germany, 2019. Springer.
20. Jaap Gordijn, Guédria Wided, and Henderik A. Proper, editors. *The Practice of Enterprise Modeling – 12th IFIP 8.1 Working Conference, PoEM 2019, Luxembourg, Luxembourg, November 27-29, 2019, Proceedings*, volume 369 of *Lecture Notes in Business Information Processing*, Berlin, Germany, 2019. Springer.
21. Henderik A. Proper, Stefan Strecker, Christian Huemer, Christophe Feltus, Guédria Wided, Iván S. Razo-Zapata, Manel Brichni, David Rozier, Mikhail M. Komarov, Svetlana V. Maltseva, and Sérgio Guerreiro, editors. *20th IEEE Conference on Business Informatics, CBI 2018, Vienna, Austria, July 11-14, 2018, Volume 2 – Research-in-Progress Papers and Workshops*, Washington DC, USA, July 2018. IEEE Computer Society.
22. Henderik A. Proper, Stefan Strecker, and Christian Huemer, editors. *20th IEEE Conference on Business Informatics, CBI 2018, Vienna, Austria, July 11-14, 2018, Volume 2 – Research-in-Progress Papers and Workshops*, Washington DC, USA, July 2018. IEEE Computer Society.
23. Hervé Panetto, Christophe Debruyne, Henderik A. Proper, Claudio A. Ardagna, Dumitru Roman, and Robert Meersman, editors. *On the Move to Meaningful Internet Systems. OTM 2018 Conferences – Confederated International Conferences: CoopIS, C&TC, and ODBASE 2018, Valletta, Malta, October 22-26, 2018, Proceedings, Part II*, volume 11230 of *Lecture Notes in Computer Science*, Berlin, Germany, 2018. Springer.
24. Hervé Panetto, Christophe Debruyne, Henderik A. Proper, Claudio A. Ardagna, Dumitru Roman, and Robert Meersman, editors. *On the Move to Meaningful Internet Systems. OTM 2018 Conferences – Confederated International Conferences: CoopIS, C&TC, and ODBASE 2018, Valletta, Malta, October 22-26, 2018, Proceedings, Part I*, volume 11229 of *Lecture Notes in Computer Science*, Berlin, Germany, 2018. Springer.
25. Jaap Gordijn and Henderik A. Proper, editors. *Proceedings of the 12th International Workshop on Value Modeling and Business Ontologies, VMBO 2018, Amsterdam, The Netherlands, February 26th – 27th, 2018*, volume 2239 of *CEUR Workshop Proceedings*, Aachen, Germany, 2018. CEUR-WS.org.
26. Ilia Bider, Khaled Gaaloul, John Krogstie, Selmin Nurcan, Henderik A. Proper, Rainer Schmidt, and Pnina Soffer, editors. *Enterprise, Business-Process and Information Systems Modeling – 15th International Conference, BPMDS 2014, 19th International Conference, EMMSAD 2014, Held at CAiSE 2014, Thessaloniki, Greece, June 16-17, 2014. Proceedings*, volume 175 of *Lecture Notes in Business Information Processing*, Berlin, Germany, 2014. Springer.
27. Wolfgang A. Molnar, Henderik A. Proper, Jelena Zdravkovic, Pericles Loucopoulos, Óscar Pastor López, and Sybren de Kinderen, editors. *Proceedings of the 8th Transformation & Engineering of Enterprises Workshop (TEE 2014), Held in Conjunction with the 16th IEEE Conference on Business Informatics (CBI 2014), Geneva, Switzerland, Aachen, Germany, 2014*. CEUR-WS.org.
28. David Aveiro, Marija Bjeković, Artur Caetano, A. Fleischmann, L. Heuser, Sybren de Kinderen, M. M. Komarov, Y. Koucheryavy, S. V. Maltseva, Wolfgang A. Molnar, Andreas Oberweis, Henderik A. Proper, M. Rappa, W. Schmidt, F. Schönthaler, J. Sottet, C. Stary, and Gottfried Vossen, editors. *Proceedings of the 16th IEEE Conference on Business Informatics (CBI 2014), Geneva, Switzerland, Volume 1*, Washington DC, USA, 2014. IEEE Computer Society.

29. David Aveiro, Marija Bjeković, Artur Caetano, A. Fleischmann, L. Heuser, Sybren de Kinderen, M. M. Komarov, Y. Koucheryavy, S. V. Maltseva, Wolfgang A. Molnar, Andreas Oberweis, Henderik A. Proper, M. Rappa, W. Schmidt, F. Schönthaler, J. Sottet, C. Stary, and Gottfried Vossen, editors. *Proceedings of the 16th IEEE Conference on Business Informatics (CBI 2014), Geneva, Switzerland, Volume 2*, Washington DC, USA, July 2014. IEEE Computer Society.
30. Henderik A. Proper and Jolita Ralyté, editors. *IEEE 16th Conference on Business Informatics, CBI 2014, Geneva, Switzerland, July 14-17, 2014 – Volume 1*, volume 1, Washington DC, USA, July 2014. IEEE Computer Society.
31. David Aveiro, Albert Fleischmann, Lutz Heuser, Sybren de Kinderen, Mikhail M. Komarov, Yevgeni Koucheryavy, Svetlana V. Maltseva, Wolfgang A. Molnar, Andreas Oberweis, Henderik A. Proper, Werner Schmidt, Frank Schönthaler, Jean-Sébastien Sottet, Christian Stary, and Gottfried Vossen, editors. *IEEE 16th Conference on Business Informatics, CBI 2014, Geneva, Switzerland, July 14-17, 2014 – Volume 2*, Washington DC, USA, July 2014. IEEE Computer Society.
32. Birgit Hofreiter, Kwei-Jay Lin, Christian Huemer, Henderik A. Proper, and Jorge L. C. Sanz, editors. *IEEE 15th Conference on Business Informatics, CBI 2013, Vienna, Austria, July 15-18, 2013*, Washington DC, USA, July 2013. IEEE Computer Society.
33. Selmin Nurcan, Henderik A. Proper, Pnina Soffer, John Krogstie, Rainer Schmidt, Terry A. Halpin, and Ilia Bider, editors. *Enterprise, Business-Process and Information Systems Modeling – 14th International Conference, BPMDS 2013, 18th International Conference, EMM-SAD 2013, Held at CAiSE 2013, Valencia, Spain, June 17-18, 2013. Proceedings*, volume 147 of *Lecture Notes in Business Information Processing*, Berlin, Germany, June 2013. Springer.
34. Henderik A. Proper, David Aveiro, and Khaled Gaaloul, editors. *Advances in Enterprise Engineering VII – Third Enterprise Engineering Working Conference, EEWV 2013, Luxembourg, May 13-14, 2013. Proceedings*, volume 146 of *Lecture Notes in Business Information Processing*, Berlin, Germany, May 2013. Springer.
35. A. Frank Harmsen and Henderik A. Proper, editors. *Practice-Driven Research on Enterprise Transformation – 6th Working Conference, PRET 2013, Utrecht, The Netherlands, June 6, 2013. Proceedings*, volume 151 of *Lecture Notes in Business Information Processing*, Berlin, Germany, June 2013. Springer.
36. Rébecca Deneckère and Henderik A. Proper, editors. *Proceedings of the CAiSE’13 Forum at the 25th International Conference on Advanced Information Systems Engineering (CAiSE), Valencia, Spain, June 20th, 2013*, volume 998 of *CEUR Workshop Proceedings*, Aachen, Germany, 2013. CEUR-WS.org.
37. Stephan Aier, Mathias Ekstedt, Florian Matthes, Henderik A. Proper, and Jorge L. C. Sanz, editors. *Trends in Enterprise Architecture Research and Practice-Driven Research on Enterprise Transformation – 7th Workshop, TEAR 2012, and 5th Working Conference, PRET 2012, Held at the Open Group Conference 2012, Barcelona, Spain, October 23-24, 2012. Proceedings*, volume 131 of *Lecture Notes in Business Information Processing*, Berlin, Germany, October 2012. Springer.
38. Henderik A. Proper, Khaled Gaaloul, A. Frank Harmsen, and Stanisław Wrycza, editors. *Practice-Driven Research on Enterprise Transformation – 4th Working Conference, PRET 2012, Gdańsk, Poland, June 27, 2012. Proceedings*, volume 120 of *Lecture Notes in Business Information Processing*, Berlin, Germany, June 2012. Springer.
39. Ilia Bider, Terry A. Halpin, John Krogstie, Selmin Nurcan, Henderik A. Proper, Rainer Schmidt, Pnina Soffer, and Stanisław 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, Gdańsk, Poland, June 25-26, 2012. Proceedings*, volume 113 of *Lecture Notes in Business Information Processing*, Berlin, Germany, June 2012. Springer.
40. Birgit Hofreiter, Eric Dubois, Kwei-Jay Lin, Thomas Setzer, Claude Godart, Henderik A. Proper, and Lianne Bodenstaff, editors. *13th IEEE Conference on Commerce and Enterprise Computing, CEC 2011, Luxembourg-Kirchberg, Luxembourg, September 5-7, Volume 1, 2011*, Washington DC, USA, September 2011. IEEE Computer Society.
  41. Terry A. Halpin, Selmin Nurcan, John Krogstie, Pnina Soffer, Henderik A. Proper, Rainer Schmidt, and Ilia Bider, editors. *Enterprise, Business-Process and Information Systems Modeling – 11th International Workshop, BPMDS 2010, and 15th International Conference, EMMSAD 2010, held at CAiSE 2010, Hammamet, Tunisia, June 7-8, 2010. Proceedings*, volume 81 of *Lecture Notes in Business Information Processing*, Berlin, Germany, June 2011. Springer.
  42. A. Frank Harmsen, Knut Grahlmann, and Henderik A. Proper, editors. *Practice-Driven Research on Enterprise Transformation – Third Working Conference, PRET 2011, Luxembourg-Kirchberg, Luxembourg, September 6, 2011. Proceedings*, volume 89 of *Lecture Notes in Business Information Processing*, Berlin, Germany, September 2011. Springer.
  43. Birgit Hofreiter, Eric Dubois, Kwei-Jay Lin, Thomas Setzer, Claude Godart, Henderik A. Proper, and Lianne Bodenstaff, editors. *13th IEEE Conference on Commerce and Enterprise Computing, CEC 2011, Luxembourg-Kirchberg, Luxembourg, September 5-7, Volume 2, 2011*, Washington DC, USA, September 2011. IEEE Computer Society.
  44. Pnina Soffer and Henderik 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*, Berlin, Germany, 2010. Springer.
  45. A. Frank Harmsen, Henderik A. Proper, Frank Schalkwijk, Joseph Barjis, and Sietse J. Overbeek, editors. *Practice-Driven Research on Enterprise Transformation – Second Working Conference, PRET 2010, Delft, The Netherlands, November 11, 2010. Proceedings*, volume 69 of *Lecture Notes in Business Information Processing*, Berlin, Germany, November 2010. Springer.
  46. Ilia Bider, Terry A. Halpin, John Krogstie, Selmin Nurcan, Henderik A. Proper, Rainer Schmidt, and Roland Ukor, editors. *Enterprise, Business-Process and Information Systems Modeling – 11th International Workshop, BPMDS 2010, and 15th International Conference, EMMSAD 2010, held at CAiSE 2010, Hammamet, Tunisia, June 7-8, 2010. Proceedings*, volume 50 of *Lecture Notes in Business Information Processing*, Berlin, Germany, June 2010. Springer.
  47. Henderik A. Proper, Marc M. Lankhorst, Marten Schönherr, Joseph Barjis, and Sietse J. Overbeek, editors. *Trends in Enterprise Architecture Research – 5th International Workshop, TEAR 2010, Delft, The Netherlands, November 12, 2010. Proceedings*, volume 70 of *Lecture Notes in Business Information Processing*, Berlin, Germany, November 2010. Springer.
  48. Pnina Soffer and Henderik A. Proper, editors. *Proceedings of the CAiSE Forum 2010, Hammamet, Tunisia, June 9-11, 2010*, volume 592 of *CEUR Workshop Proceedings*, Aachen, Germany, 2010. CEUR-WS.org.
  49. Patrick van Bommel, Stijn J. B. A. Hoppenbrouwers, Sietse J. Overbeek, Henderik A. Proper, and Joseph Barjis, editors. *The Practice of Enterprise Modeling – Third IFIP WG 8.1 Working Conference, PoEM 2010, Delft, The Netherlands, November 9-10, 2010. Proceedings*,

volume 68 of *Lecture Notes in Business Information Processing*, Berlin, Germany, November 2010. Springer.

50. Terence A. Halpin, John Krogstie, and Henderik A. Proper, editors. *Innovations in Information Systems Modeling – Methods and Best Practices*. Advances in Database Research Series. IGI Global, Hershey, Pennsylvania, USA, 2009.
51. Henderik A. Proper, A. Frank Harmsen, and Jan L. G. Dietz, editors. *Advances in Enterprise Engineering II – First NAF Academy Working Conference on Practice-Driven Research on Enterprise Transformation, PRET 2009, held at CAiSE 2009, Amsterdam, The Netherlands, June 11, 2009. Proceedings*, volume 28 of *Lecture Notes in Business Information Processing*, Berlin, Germany, June 2009. Springer.
52. Terry A. Halpin, John Krogstie, Selmin Nurcan, Henderik A. Proper, Rainer Schmidt, Pnina Soffer, and Roland Ukor, editors. *Enterprise, Business-Process and Information Systems Modeling – 10th International Workshop, BPMDS 2009, and 14th International Conference, EMMSAD 2009, held at CAiSE 2009, Amsterdam, The Netherlands, June 8-9, 2009. Proceedings*, volume 29 of *Lecture Notes in Business Information Processing*, Berlin, Germany, June 2009. Springer.
53. Terry A. Halpin, Henderik A. Proper, John Krogstie, Xavier Franch, Ela Hunt, and Remi Colletta, editors. *Proceedings of the 13th International Workshop on Exploring Modeling Methods for Systems Analysis and Design, EMMSAD 2008, held in conjunction with the CAiSE 2008 Conference, Montpellier, France, June 16-17, 2008*, volume 337 of *CEUR Workshop Proceedings*, Aachen, Germany, June 2008. CEUR-WS.org.
54. Henderik A. Proper, Terry A. Halpin, and John Krogstie, editors. *Proceedings of the 12th International Workshop on Exploring Modeling Methods for Systems Analysis and Design, EMMSAD 2008, held in conjunction with the 19th Conference on Advanced Information Systems (CAiSE 2007), Trondheim, Norway, 11-15 June, 2007*, volume 365 of *CEUR Workshop Proceedings*, Aachen, Germany, June 2008. CEUR-WS.org.
55. John Krogstie, Terry A. Halpin, and Henderik A. Proper, editors. *Proceedings of the 11th International 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, 5-9 June, 2006*, volume 364 of *CEUR Workshop Proceedings*, Aachen, Germany, June 2006. CEUR-WS.org.

### 18.3 Chapters in Books

1. Henderik A. Proper, Bas van Gils, and M. Kazem Haki. Final conclusions and outlook. In Henderik A. Proper, Bas van Gils, and M. Kazem Haki, editors, *Digital Enterprises*, pages 311–314. Springer, Berlin, Germany, 2024.
2. Henderik A. Proper and Bas van Gils. Coordinated continuous digital transformation. In Vinay Kulkarni, Sreedhar Reddy, Tony Clark, and Henderik A. Proper, editors, *The AI-Enabled Enterprise*, The Enterprise Engineering Series, pages 101–120. Springer, Berlin, Germany, 2024.
3. Henderik A. Proper and Giancarlo Guizzardi. On views, diagrams, programs, animations, and other models. In Stefan Strecker and Jürgen Jung, editors, *Informing Possible Future Worlds – Essays in Honour of Ulrich Frank*, chapter 5, pages 123–138. Logos Verlag, Berlin, Germany, 2024.
4. Christophe Feltus, Henderik A. Proper, Andreas Metzger, and Juan Francisco Garcia López. ArchiMate extension to value co-creation: The smart airport case study. In Henderik A.



- Proper, Bas van Gils, and Kazem Haki, editors, *Digital Enterprises*, pages 105–133. Springer, Berlin, Germany, 2024.
5. Bas van Gils and Henderik A. Proper. Next-generation enterprise modeling. In Henderik A. Proper, Bas van Gils, and M. Kazem Haki, editors, *Digital Enterprises: Service-Focused, Digitally-Powered, Data-Fuelled*, chapter 21, pages 279–305. Springer, Berlin, Germany, 2024.
  6. Henderik A. Proper. On model-based coordination of change in organizations. In Stephan Aier, Peter Rohner, and Joachim Schelp, editors, *Engineering the Transformation of the Enterprise – A Design Science Research Perspective*, pages 79–98. Springer, Berlin, Germany, 2021.
  7. Henderik A. Proper, Guédria Wided, and Jean-Sébastien Sottet. Enterprise modelling in the digital age. In Vinay Kulkarni, Sreedhar Reddy, Tony Clark, and Balbir S. Barn, editors, *Advanced Digital Architectures for Model-Driven Adaptive Enterprises*, chapter 3, pages 46–67. IGI Global, Hershey, Pennsylvania, USA, 2020.
  8. Roel Wagter and Henderik A. Proper. Coherence management dashboard for ACET. In Henderik A. Proper, Robert Winter, Stephan Aier, and Sybren de Kinderen, editors, *Architectural Coordination of Enterprise Transformation*, The Enterprise Engineering Series, chapter 18, pages 183–191. Springer, Berlin, Germany, 2018.
  9. Roel Wagter and Henderik A. Proper. Involving the right stakeholders – Enterprise coherence governance. In Henderik A. Proper, Robert Winter, Stephan Aier, and Sybren de Kinderen, editors, *Architectural Coordination of Enterprise Transformation*, The Enterprise Engineering Series, chapter 10, pages 99–110. Springer, Berlin, Germany, 2018.
  10. Henderik A. Proper, Robert Winter, and Stephan Aier. Conclusion and reflections. In Henderik A. Proper, Robert Winter, Stephan Aier, and Sybren de Kinderen, editors, *Architectural Coordination of Enterprise Transformation*, The Enterprise Engineering Series, chapter 26, pages 293–304. Springer, Berlin, Germany, 2018.
  11. Henderik A. Proper, Robert Winter, and Stephan Aier. Introduction. In Henderik A. Proper, Robert Winter, Stephan Aier, and Sybren de Kinderen, editors, *Architectural Coordination of Enterprise Transformation*, The Enterprise Engineering Series, chapter 1, pages 1–10. Springer, Berlin, Germany, 2018.
  12. Henderik A. Proper, Stijn J. B. A. Hoppenbrouwers, and Gert E. Veldhuijzen van Zanten. Communication of enterprise architectures. In Marc M. Lankhorst, editor, *Enterprise Architecture at Work: Modeling, Communication and Analysis*, The Enterprise Engineering Series, pages 59–72. Springer, Berlin, Germany, 4th edition, 2017.
  13. Marc M. Lankhorst, Leon W. N. van der Torre, Henderik A. Proper, Farhad Arbab, and Maarten W. A. Steen. Viewpoints and visualisation. In Marc M. Lankhorst, editor, *Enterprise Architecture at Work: Modeling, Communication and Analysis*, The Enterprise Engineering Series, pages 171–214. Springer, Berlin, Germany, 4th edition, 2017.
  14. Marc M. Lankhorst, Leon W. N. van der Torre, Henderik A. Proper, Farhad Arbab, Frank S. de Boer, and Marcello M. Bonsangue. Foundations. In Marc M. Lankhorst, editor, *Enterprise Architecture at Work: Modeling, Communication and Analysis*, The Enterprise Engineering Series, pages 41–58. Springer, Berlin, Germany, 4th edition, 2017.
  15. Roel Wagter, Henderik A. Proper, and Dirk Witte. A theory for enterprise coherence governance. In P. Saha, editor, *A Systematic Perspective to Managing Complexity with EA*. IGI Global, Hershey, Pennsylvania, USA, 2013.

16. Maarten W. A. Steen, Maria-Eugenia Iacob, Marc M. Lankhorst, Henk Jonkers, Martijn Zoet, Wilco Engelsman, Johan Versendaal, Henderik A. Proper, Leon Debije, and Khaled Gaaloul. Service modelling. In Marc M. Lankhorst, editor, *Agile Service Development – Combining Adaptive Methods and Flexible Solutions*, The Enterprise Engineering Series, chapter 3, pages 59–94. Springer, Berlin, Germany, 2012.
17. Marc M. Lankhorst, Wil P. M. Janssen, Henderik A. Proper, and Maarten W. A. Steen. Introducing agile service development. In Marc M. Lankhorst, editor, *Agile Service Development – Combining Adaptive Methods and Flexible Solutions*, The Enterprise Engineering Series, pages 1–15. Springer, Berlin, Germany, 2012.
18. Marc M. Lankhorst and Henderik A. Proper. Agile architecture. In Marc M. Lankhorst, editor, *Agile Service Development – Combining Adaptive Methods and Flexible Solutions*, The Enterprise Engineering Series, chapter 3, pages 41–57. Springer, Berlin, Germany, 2012.
19. Martin Op ’t Land, Henderik A. Proper, Maarten Waage, Jeroen Cloo, and Claudia Steghuis. *Introduction*, chapter 1. The Enterprise Engineering Series. Springer, Berlin, Germany, 2009.
20. Martin Op ’t Land, Henderik A. Proper, Maarten Waage, Jeroen Cloo, and Claudia Steghuis. *The Need for a New Instrument*, chapter 2. The Enterprise Engineering Series. Springer, Berlin, Germany, 2009.
21. Martin Op ’t Land, Henderik A. Proper, Maarten Waage, Jeroen Cloo, and Claudia Steghuis. *The Enterprise Architect*, chapter 6. The Enterprise Engineering Series. Springer, Berlin, Germany, 2009.
22. Martin Op ’t Land, Henderik A. Proper, Maarten Waage, Jeroen Cloo, and Claudia Steghuis. *The Process of Enterprise Architecting*, chapter 5. The Enterprise Engineering Series. Springer, Berlin, Germany, 2009.
23. Martin Op ’t Land, Henderik A. Proper, Maarten Waage, Jeroen Cloo, and Claudia Steghuis. *Positioning Enterprise Architecture*, chapter 3. The Enterprise Engineering Series. Springer, Berlin, Germany, 2009.
24. Martin Op ’t Land, Henderik A. Proper, Maarten Waage, Jeroen Cloo, and Claudia Steghuis. *Conclusion*, chapter 7. The Enterprise Engineering Series. Springer, Berlin, Germany, 2009.
25. Patrick van Bommel, Stijn J. B. A. Hoppenbrouwers, Henderik A. Proper, and Jeroen Roelofs. Concepts and strategies for quality of modeling. In Terence A. Halpin, John Krogstie, and Henderik A. Proper, editors, *Innovations in Information Systems Modeling – Methods and Best Practices*, Advances in Database Research Series, pages 167–189. IGI Global, Hershey, Pennsylvania, USA, 2009.
26. Martin Op ’t Land, Henderik A. Proper, Maarten Waage, Jeroen Cloo, and Claudia Steghuis. *The Results of Enterprise Architecting*, chapter 4. The Enterprise Engineering Series. Springer, Berlin, Germany, 2009.
27. Sietse J. Overbeek, Patrick van Bommel, Henderik A. Proper, and Daan B. B. Rijzenbrij. 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 Global, Hershey, Pennsylvania, USA, 2008.
28. Patrick van Bommel, Stijn J. B. A. Hoppenbrouwers, Henderik A. Proper, and Theo P. van der Weide. On the use of object-role modeling for modeling active domains. In Keng Siau, editor, *Research Issues in System Analysis and Design, Databases and Software Development*, chapter 5, pages 123–145. IGI Global, Hershey, Pennsylvania, USA, 2007.

29. Eckhard D. Falkenberg, J. L. Han Oei, and Henderik A. Proper. A conceptual framework for evolving information systems. In Henk G. Sol and Robert L. Crosslin, editors, *Dynamic Modelling of Information Systems II, the Second International Working Conference on Dynamic Modelling of Information Systems, Washington, DC, USA, July 18-19, 1991*, pages 353–375, Amsterdam, The Netherlands, 1992. Elsevier.

## 18.4 Journal Publications

1. Isadora Valle Sousa, Tiago Prince Sales, Eduardo Guerra, Maya Daneva, Renata Silva Souza Guizzardi, Luiz Olavo Bonino da Silva Santos, Henderik A. Proper, and Giancarlo Guizzardi. Unraveling the pain points of domain modeling. *Information and Software Technology*, 183:107736, 2025.
2. Agnes Nakakawa, Fiona P. M. Tulinayo, Geoffrey Olok Tabo, Patrick van Bommel, Hans B. F. Mulder, and Henderik A. Proper. Supplementing the build activity in design science research with soft systems methodology: A technique of creating frameworks for guiding interventions against unstructured problems. *Complex Systems Informatics and Modeling Quarterly*, 40:1–35, 2024.
3. Jan A. H. Schoonderbeek and Henderik A. Proper. Toward an ontology for EA modeling and EA model quality. *Software and Systems Modeling*, 23(3):535–558, February 2024.
4. Markus Hafner, Miguel Mira da Silva, and Henderik A. Proper. Towards a reference ontology for a data valuation business capability. *Enterprise Information Systems*, 18(7):2358920, 2024.
5. Dominik Bork, Istvan David, Sergio España, Giancarlo Guizzardi, Henderik A. Proper, and Iris Reinhartz-Berger. The role of modeling in the analysis and design of sustainable systems: A panel report. *Communications of the Association for Information Systems*, 54(1):41, 2024.
6. Henderik A. Proper and Giancarlo Guizzardi. Understanding the variety of domain models: Views, programs, animations, and other models. *SN Computer Science*, 5(7):861, 2024.
7. Marien R. Krouwel, Martin Op ’t Land, and Henderik A. Proper. From enterprise models to low-code applications: Mapping DEMO to mendix, illustrated in the social housing domain. *Software and Systems Modeling*, 23(4):837–864, 2024.
8. Flavia Namagembe, Agnes Nakakawa, Fiona P. Tulinayo, Henderik A. Proper, and Si-etse J. Overbeek. Towards an e-government enterprise architecture framework for developing economies. *Complex Systems Informatics and Modeling Quarterly*, 35(35):30–66, July 2024.
9. Henderik A. Proper, Roel Wagter, and Joost Bekel. On enterprise coherence governance with GEA: A 15-year co-evolution of practice and theory. *Software and Systems Modeling*, 22(2):551–571, 2023.
10. Mark A. T. Mulder and Henderik A. Proper. On enterprise-grade tool support for DEMO. *Software and Systems Modeling*, 21(4):1341–1361, 2022.
11. Henderik A. Proper and Bas van Gils. Enterprise modelling in the age of digital transformation. *IFIP Select*, 1(2), 2019.
12. Henderik A. Proper and Marija Bjeković. Fundamental challenges in systems modelling. *EMISA Forum*, 39(1):13–28, 2019.
13. Agnes Nakakawa, Patrick van Bommel, Henderik A. Proper, and Hans B. F. Mulder. A situational method for creating shared understanding on requirements for an enterprise architecture. *International Journal of Cooperative Information Systems*, 27(4):1850010:1–58, 2018.

14. Rodrigo Magalhães and Henderik A. Proper. Model-enabled design and engineering of organisations and their enterprises. *Organisational Design and Enterprise Engineering*, 1(1):1–12, 2017.
15. Dirk J. T. van der Linden, Stijn J. B. A. Hoppenbrouwers, and Henderik A. Proper. On the identification of modeler communities. *International Journal of Information System Modeling and Design*, 5(2):22–40, 2014.
16. Henderik A. Proper and Marc M. Lankhorst. Enterprise architecture – Towards essential sensemaking. *Enterprise Modelling and Information Systems Architectures*, 9(1):5–21, June 2014.
17. Zoe Zarwin, Marija Bjeković, Jean-Marie Favre, Jean-Sébastien Sottet, and Henderik A. Proper. Natural modelling. *Journal of Object Technology*, 13(3):4:1–36, July 2014.
18. Georgios Plataniotis, Sybren de Kinderen, and Henderik A. Proper. EA Anamnesis: An approach for decision making analysis in enterprise architecture. *International Journal of Information System Modeling and Design*, 5(3):75–95, 2014.
19. Sybren de Kinderen, Khaled Gaaloul, and Henderik A. Proper. Bridging value modelling to ArchiMate via transaction modelling. *Software and Systems Modeling*, 13(3):1043–1057, 2014.
20. Denis Ssebuggwawo, Stijn J. B. A. Hoppenbrouwers, and Henderik A. Proper. Applying AHP for collaborative modeling evaluation: Experiences from a modeling experiment. *International Journal of Information System Modeling and Design*, 4(1):1–24, 2013.
21. Agnes Nakakawa, Patrick van Bommel, and Henderik A. Proper. Supplementing enterprise architecture approaches with support for executing collaborative tasks – A case of TOGAF ADM. *International Journal of Cooperative Information Systems*, 22(2):1350007, June 2013.
22. Fiona P. Tulinayo, Patrick van Bommel, and Henderik A. Proper. Enhancing the system dynamics modeling process with a domain modeling method. *International Journal of Cooperative Information Systems*, 22(2), 2013.
23. Danny Greefhorst, Henderik A. Proper, and Georgios Plataniotis. The dutch state of the practice of architecture principles. *Journal of Enterprise Architecture*, 9(4):20–25, November 2013.
24. Jan L. G. Dietz, Jan A. P. Hoogervorst, Antonia Albani, David Aveiro, Eduard Babkin, Joseph Barjis, Artur Caetano, Philip Huysmans, Junichi Iijima, Steven J. H. van Kervel, Hans B. F. Mulder, Martin Op ’t Land, Henderik A. Proper, Jorge L. C. Sanz, Linda I. Terlouw, José M. Tribolet, Jan Verelst, and Robert Winter. The discipline of enterprise engineering. *International Journal Organisational Design and Engineering*, 3(1):86–114, 2013.
25. Fiona P. Tulinayo, Patrick van Bommel, and Henderik A. Proper. From a system dynamics causal loop diagram to an object-role model: A stepwise approach. *Journal of Digital Information Management*, 10(3):174–186, 2012.
26. Henderik A. Proper and Danny Greefhorst. Principles in an enterprise architecture context. *Journal of Enterprise Architecture*, pages 8–16, February 2011.
27. Sietse J. Overbeek, Patrick van Bommel, and Henderik A. Proper. Statics and dynamics of cognitive and qualitative matchmaking in task fulfillment. *Information Sciences*, 181(1):129–149, January 2011.
28. Sietse J. Overbeek, Patrick van Bommel, and Henderik A. Proper. Bridging supply and demand for knowledge intensive tasks. *Information Sciences*, 181(1):129–149, January 2011.

29. Agnes Nakakawa, Patrick van Bommel, and Henderik A. Proper. Definition and validation of requirements for collaborative decision-making in enterprise architecture creation. *International Journal of Cooperative Information Systems*, 20(1):83–136, 2011.
30. Josephine Nabukenya, Patrick van Bommel, Henderik A. Proper, and Gert-Jan de Vreede. An evaluation instrument for collaborative processes: Application to organizational policy-making. *Group Decision and Negotiation*, 20(4):465–488, 2011.
31. Khaled Gaaloul, Henderik A. Proper, Ehtesham Zahoor, François Charoy, and Claude Godart. A logical framework for reasoning about delegation policies in workflow management systems. *International Journal of Information and Computer Security*, 4(4):365–388, 2011.
32. Denis Ssebuggwawo, Stijn J. B. A. Hoppenbrouwers, and Henderik A. Proper. Collaborative modeling: Towards a meta-model for analysis and evaluation. *Sprouts: Working Papers on Information Systems*, 10(36), 2010.
33. Marc M. Lankhorst, Henderik A. Proper, and Henk Jonkers. The anatomy of the ArchiMate language. *International Journal of Information System Modeling and Design*, 1(1):1–32, January 2010.
34. Sietse J. Overbeek, Patrick van Bommel, and Henderik A. Proper. Embedding knowledge exchange and cognitive matchmaking in a dichotomy of markets. *Expert Systems with Applications*, 36(36):12236–12255, 2009.
35. Sietse J. Overbeek, Patrick van Bommel, and Henderik A. Proper. Matching cognitive characteristics of actors and tasks in information systems engineering. *Knowledge-Based Systems*, 21(8):764–785, December 2008.
36. Farhad Arbab, Frank S. de Boer, Marcello M. Bonsangue, Marc M. Lankhorst, Henderik A. Proper, and Leon W. N. van der Torre. Integrating architectural models – Symbolic, semantic and subjective models in enterprise architecture. *Enterprise Modelling and Information Systems Architectures*, 2(1):40–57, 2007.
37. Patrick van Bommel, Bas van Gils, Henderik A. Proper, Mario van Vliet, and Theo P. van der Weide. Value and the information market. *Data & Knowledge Engineering*, 61(1):153–175, September 2007.
38. Bas van Gils, Henderik A. Proper, Patrick van Bommel, and Theo P. van der Weide. On the quality of resources on the web: An information retrieval perspective. *Information Sciences*, 177(21):4566–4597, 2007.
39. Bas van Gils, Henderik A. Proper, Patrick van Bommel, and Theo P. van der Weide. Typing and transformational effects in complex information supply. *International Journal of Cooperative Information Systems*, 16(2):229–269, June 2007.
40. Patrick van Bommel, Henderik A. Proper, and Theo P. van der Weide. Information coverage in advisory brokers. *International journal of intelligent systems*, 22(11):1155–1188, November 2007.
41. Stijn J. B. A. Hoppenbrouwers, Araminte I. Bleeker, and Henderik A. Proper. Facing the conceptual complexities in business domain modeling. *Computing Letters*, 1(3):107–115, 2005.
42. Stijn J. B. A. Hoppenbrouwers, Henderik A. Proper, and Victor E. van Reijswoud. Navigating the methodology jungle – The communicative role of modelling techniques in information system development. *Computing Letters*, 1(3), 2005.

43. Gert E. Veldhuijzen van Zanten, Stijn J. B. A. Hoppenbrouwers, and Henderik A. Proper. System development as a rational communicative process. *Journal of Systemics, Cybernetics and Informatics*, 2(4):47–51, 2004.
44. Bas van Gils, Henderik A. Proper, and Patrick van Bommel. A conceptual model of information supply. *Data & Knowledge Engineering*, 51(2):189–222, 2004.
45. Mike P. Papazoglou, Henderik A. Proper, and Jian Yang. Landscaping the information space of large multi-database networks. *Data & Knowledge Engineering*, 36(3):251–281, 2001.
46. Henderik A. Proper and Peter D. Bruza. What is information discovery about? *Journal of the American Society for Information Science*, 50(9):737–750, July 1999.
47. Arthur H. M. ter Hofstede and Henderik A. Proper. How to formalize it?: Formalization principles for information system development methods. *Information and Software Technology*, 40(10):519–540, October 1998.
48. Arthur H. M. ter Hofstede, Henderik A. Proper, and Theo P. van der Weide. Exploiting fact verbalisation in conceptual information modelling. *Information Systems*, 22(6/7):349–385, September 1997.
49. Henderik A. Proper. Data schema design as a schema evolution process. *Data & Knowledge Engineering*, 22(2):159–189, 1997.
50. Arthur H. M. ter Hofstede, Henderik A. Proper, and Theo P. van der Weide. Query formulation as an information retrieval problem. *The Computer Journal*, 39(4):255–274, September 1996.
51. Peter N. Creasy and Henderik A. Proper. A generic model for 3-dimensional conceptual modelling. *Data & Knowledge Engineering*, 20(2):119–161, 1996.
52. Linda J. Campbell, Terry A. Halpin, and Henderik A. Proper. Conceptual schemas with abstractions: Making flat conceptual schemas more comprehensible. *Data & Knowledge Engineering*, 20(1):39–85, 1996.
53. Henderik A. Proper and Theo P. van der Weide. A general theory for evolving application models. *IEEE Transactions on Knowledge and Data Engineering*, 7(6):984–996, December 1995.
54. Henderik A. Proper and Theo P. van der Weide. Information disclosure in evolving information systems: Taking as shot at a moving target. *Data & Knowledge Engineering*, 15(2):135–168, 1995.
55. Terry A. Halpin and Henderik A. Proper. Subtyping and polymorphism in object-role modelling. *Data & Knowledge Engineering*, 15(3):251–281, 1995.
56. Gijsbert H. W. M. Bronts, Sid J. Brouwer, Christo L. J. Martens, and Henderik A. Proper. A unifying object role modelling theory. *Information Systems*, 20(3):213–235, 1995.
57. J. L. Han Oei, Henderik A. Proper, and Eckhard D. Falkenberg. Evolving information systems: Meeting the ever-changing environment. *Information Systems Journal*, 4(3):213–233, 1994.
58. Henderik A. Proper and Theo P. van der Weide. EVORM: A conceptual modelling technique for evolving application domains. *Data & Knowledge Engineering*, 12(3):313–359, 1994.
59. Arthur H. M. ter Hofstede, Henderik A. Proper, and Theo P. van der Weide. Formal definition of a conceptual language for the description and manipulation of information models. *Information Systems*, 18(7):489–523, October 1993.

## 18.5 Conference Publications

1. Aleksandar Gavric, Dominik Bork, and Henderik A. Proper. Enriching business process event logs with multimodal evidence. In Elda Paja, Jelena Zdravkovic, Evangelia Kavakli, and Janis Stirna, editors, *The Practice of Enterprise Modeling – 17th IFIP Working Conference, PoEM 2024, Stockholm, Sweden, December 3-5, 2024, Proceedings*, volume 538 of *Lecture Notes in Business Information Processing*, pages 175–191, Berlin, Germany, 2025. Springer.
2. Aleksandar Gavric, Dominik Bork, and Henderik A. Proper. How does UML look and sound? using AI to interpret UML diagrams through multimodal evidence. In Motoshi Saeki, Leah Wong, João Araújo, Clara Ayora, Anna Bernasconi, Matteo Buffa, Silvana Castano, Peter Fettke, Hans-Georg Fill, Alberto García S., Miguel Goulão, Cristine Griffo, Jin-Taek Jung, Julius Köpke, Beatriz Marín, Stefano Montanelli, Edelweis Rohrer, and José F. Reyes Román, editors, *Advances in Conceptual Modeling – ER 2024 Workshops, AISA, CMLS, EmpER, QUAMES, JUSMOD, LLM4Modeling, Pittsburgh, PA, USA, October 28-31, 2024, Proceedings*, volume 14932 of *Lecture Notes in Computer Science*, pages 187–197, Berlin, Germany, 2025. Springer.
3. Jonathan Silva, Qin Ma, Jordi Cabot, Pierre Kelsen, and Henderik A. Proper. Application of the tree-of-thoughts framework to LLM-enabled domain modeling. In Wolfgang Maass, Hyoil Han, Hasan Yasar, and Nicholas J. Multari, editors, *Conceptual Modeling – 43rd International Conference, ER 2024, Pittsburgh, PA, USA, October 28-31, 2024, Proceedings*, volume 15238 of *Lecture Notes in Computer Science*, pages 94–111, Berlin, Germany, 2025. Springer.
4. Bas van Gils and Henderik A. Proper. A double means-end relationship for data. In *26th International Conference on Business Informatics, CBI 2024, Vienna, Austria, September 9-13, 2024*, pages 198–207, Washington DC, USA, 2024. IEEE Computer Society.
5. Aleksandar Gavric, Dominik Bork, and Henderik A. Proper. Multimodal process mining. In *26th International Conference on Business Informatics, CBI 2024, Vienna, Austria, September 9-13, 2024*, pages 99–108, Washington DC, USA, 2024. IEEE Computer Society.
6. Henderik A. Proper and Bas van Gils. Towards a textbook on ontology-guided conceptual modeling. In Hans Weigand, Tiago Prince Sales, and Paul Johannesson, editors, *Proceedings of 17th International Workshop on Value Modelling and Business Ontologies, 's-Hertogenbosch, The Netherlands, 26-27 February 2024*, volume 3821 of *CEUR Workshop Proceedings*, Aachen, Germany, 2024. CEUR-WS.org.
7. Aleksandar Gavric, Dominik Bork, and Henderik A. Proper. Stakeholder-specific jargon-based representation of multimodal data within business process. In Simon Hacks, Ben Roelens, Marite Kirikova, Iris Reinhartz-Berger, Dominik Bork, John Krogstie, Geert Poels, Jonas Van Riel, Philipp Zech, Michael Vierhauser, Ruth Breu, Hans Vangheluwe, Kurt Sandkuhl, Souvik Barat, Vinay Kulkarni, Markus Helfert, Mansoor Ahmed, and Shahid Hussain, editors, *Companion Proceedings of the 17th IFIP WG 8.1 Working Conference on the Practice of Enterprise Modeling Forum, M4S, FACETE, AEM, Tools and Demos, Stockholm, Sweden, December 3-5, 2024*, volume 3855 of *CEUR Workshop Proceedings*, Aachen, Germany, 2024. CEUR-WS.org.
8. Joost Bekel, Roel Wagter, Henderik A. Proper, and A. Frank Harmsen. An enterprise coherence quantification framework for general enterprise architecting. In Tiago Prince Sales, Sybren de Kinderen, Henderik A. Proper, Luise Pufahl, Dimka Karastoyanova, and Marten J. van Sinderen, editors, *Enterprise Design, Operations, and Computing. EDOC 2023 Workshops: IDAMS, iRESEARCH, MIDas4CS, SoEA4EE, EDOC Forum, Demonstrations Track*

and Doctoral Consortium, Groningen, The Netherlands, October 30–November 3, 2023, *Revised Selected Papers*, volume 498 of *Lecture Notes in Business Information Processing*, pages 89–101, Berlin, Germany, 2024. Springer.

9. Henderik A. Proper, Quan Zhu, J. P. Pascal Ravesteijn, and Wim Gielingh. Adding dynamic simulation to business process modeling via system dynamics. In Jochen De Weerd and Luise Pufahl, editors, *Business Process Management Workshops – BPM 2023 International Workshops, Utrecht, The Netherlands, September 11-15, 2023, Revised Selected Papers*, volume 492 of *Lecture Notes in Business Information Processing*, pages 565–576, Berlin, Germany, 2024. Springer.
10. Syed Juned Ali, Aleksandar Gavric, Henderik A. Proper, and Dominik Bork. Encoding conceptual models for machine learning: A systematic review. In *ACM-IEEE International Conference on Model Driven Engineering Languages and Systems, MODELS 2023 Companion, Västerås, Sweden, October 1-6, 2023*, pages 562–570, Washington DC, USA, 2023. IEEE Computer Society.
11. Mark A. T. Mulder, Henderik A. Proper, Fiodor Bodnar, and Rick Mulder. Simplified enterprise modelling platform architecture. In Tony Clark, Steffen Zschaler, Balbir Barn, and Kurt Sandkuhl, editors, *Proceedings of the Forum at Practice of Enterprise Modeling 2022 (PoEM-Forum 2022) Co-located with PoEM 2022, London, United Kingdom, November 23-25, 2022*, volume 3327 of *CEUR Workshop Proceedings*, pages 16–30, Aachen, Germany, 2022. CEUR-WS.org.
12. Geert Poels, Henderik A. Proper, and Dominik Bork. DT4GITM – A vision for a framework for digital twin enabled IT governance. In *55th Hawaii International Conference on System Sciences, HICSS 2022, Virtual Event / Maui, Hawaii, USA, January 4-7, 2022*, pages 1–10. ScholarSpace, 2022.
13. Marien R. Krouwel, Martin Op ’t Land, and Henderik A. Proper. Generating low-code applications from enterprise ontology. In Balbir S. Barn and Kurt Sandkuhl, editors, *The Practice of Enterprise Modeling – 15th IFIP WG 8.1 Working Conference, PoEM 2022, London, UK, November 23-25, 2022, Proceedings*, volume 456 of *Lecture Notes in Business Information Processing*, pages 18–32, Berlin, Germany, 11 2022. Springer.
14. Bas van Gils, Stijn J. B. A. Hoppenbrouwers, and Henderik A. Proper. Conceptual modeling in digital transformations – Enabling enterprise design dialogues. In Tony Clark, Steffen Zschaler, Balbir Barn, and Kurt Sandkuhl, editors, *Proceedings of the Forum at Practice of Enterprise Modeling 2022 (PoEM-Forum 2022) Co-located with PoEM 2022, London, United Kingdom, November 23-25, 2022*, volume 3327 of *CEUR Workshop Proceedings*, pages 41–51, Aachen, Germany, 2022. CEUR-WS.org.
15. Memoona J. Anwar, Asif Qumer Gill, and Henderik A. Proper. A conceptual model to assess the maturity of information security audit process. In Dominik Bork, Souvik Barat, Petra Maria Asprion, Alessandro Marcelletti, Andrea Morichetta, Bettina Schneider, Vinay Kulkarni, Ruth Breu, and Philipp Zech, editors, *Proceedings of the PoEM 2022 Workshops and Models at Work co-located with Practice of Enterprise Modelling 2022, London, United Kingdom, November 23-25, 2022*, volume 3298 of *CEUR Workshop Proceedings*, Aachen, Germany, 2022. CEUR-WS.org.
16. Christophe Feltus, Qin Ma, Henderik A. Proper, and Pierre Kelsen. Towards AI assisted domain modeling. In Iris Reinhartz-Berger and Shazia W. Sadiq, editors, *Advances in Conceptual Modeling ER 2021 Workshops CoMoNoS, EmpER, CMLS, St. John’s, NL, Canada, October 18-21, 2021, Proceedings*, volume 13012 of *Lecture Notes in Computer Science*, pages 75–89, Berlin, Germany, 2021. Springer.



17. Henderik A. Proper, Roel Wagter, and Joost Bekel. Enterprise coherence with GEA – A 15 year co-evolution of practice and theory. In Estefanía Serral, Janis Stirna, Jolita Ralyté, and Jānis Grabis, editors, *The Practice of Enterprise Modeling – 14th IFIP WG 8.1 Working Conference, PoEM 2021, Riga, Latvia, November 24-26, 2021, Proceedings*, volume 432 of *Lecture Notes in Business Information Processing*, pages 3–18, Berlin, Germany, 2021. Springer.
18. Agnes Nakakawa, Henderik A. Proper, Fiona P. Tulinayo, Flavia Namagembe, and Sietse J. Overbeek. Assessing readiness for e-government enterprise architecture in a developing economy – Towards an integrated maturity model. In *25th International Enterprise Distributed Object Computing Workshop, EDOC Workshop 2021, Gold Coast, Australia, October 25-29, 2021*, pages 279–288, Washington DC, USA, October 2021. IEEE Computer Society.
19. Mark A. T. Mulder and Henderik A. Proper. On the development of enterprise-grade tool support for the DEMO method. In Marcello La Rosa, Shazia W. Sadiq, and Ernest Teniente, editors, *Advanced Information Systems Engineering – 33rd International Conference, CAiSE 2021, Melbourne, VIC, Australia, June 28 – July 2, 2021, Proceedings*, volume 12751 of *Lecture Notes in Computer Science*, pages 499–515, Berlin, Germany, 2021. Springer.
20. Mark A. T. Mulder and Henderik A. Proper. Evolving the DEMO specification language. In David Aveiro, Giancarlo Guizzardi, Robert Pergl, and Henderik A. Proper, editors, *Advances in Enterprise Engineering XIV – 10th Enterprise Engineering Working Conference, EEWC 2020, Bozen-Bolzano, Italy, September 28, October 19, and November 9-10, 2020, Revised Selected Papers*, volume 411 of *Lecture Notes in Business Information Processing*, pages 153–172, Berlin, Germany, April 2021. Springer.
21. Henderik A. Proper, Dominik Bork, and Geert Poels. Towards an ontology-driven approach for digital twin enabled governed IT management. In Ilaria Tiddi, Maria Maleshkova, Tassilo Pellegrini, and Victor de Boer, editors, *Joint Proceedings of the Semantics co-located events: Poster&Demo track and Workshop on Ontology-Driven Conceptual Modelling of Digital Twins co-located with Semantics 2021, Amsterdam and Online, September 6-9, 2021*, volume 2941 of *CEUR Workshop Proceedings*, Aachen, Germany, 2021. CEUR-WS.org.
22. Giancarlo Guizzardi and Henderik A. Proper. On understanding the value of domain modeling. In Giancarlo Guizzardi, Tiago Prince Sales, Cristine Griffo, and Mattia Fumagalli, editors, *Proceedings of the International Workshop on Value Modelling and Business Ontologies Bolzano, Italy, March 4th and 5th, 2021, Bolzano, Italy, March 4th and 5th, 2021*, volume 2835 of *CEUR Workshop Proceedings*, pages 51–62, Aachen, Germany, 2021. CEUR-WS.org.
23. Aakash Ahmad, Madhushi Niluka Bandara, Mahdi Fahmideh, Henderik A. Proper, Giancarlo Guizzardi, and Jeffrey Soar. An overview of ontologies and tool support for COVID-19 analytics. In *25th International Enterprise Distributed Object Computing Workshop, EDOC Workshop 2021, Gold Coast, Australia, October 25-29, 2021*, pages 1–8, Washington DC, USA, October 2021. IEEE Computer Society.
24. Henderik A. Proper and Giancarlo Guizzardi. On domain conceptualization. In David Aveiro, Giancarlo Guizzardi, Robert Pergl, and Henderik A. Proper, editors, *Advances in Enterprise Engineering XIV – 10th Enterprise Engineering Working Conference, EEWC 2020, Bozen-Bolzano, Italy, September 28, October 19, and November 9-10, 2020, Revised Selected Papers*, volume 411 of *Lecture Notes in Business Information Processing*, pages 49–69, Berlin, Germany, April 2021. Springer.
25. Henderik A. Proper and Giancarlo Guizzardi. On domain modelling and requisite variety – Current state of an ongoing journey. In Jānis Grabis and Dominik Bork, editors, *The Practice of Enterprise Modeling – 13th IFIP Working Conference, PoEM 2020, Riga, Latvia,*

- November 25-27, 2020, *Proceedings*, volume 400 of *Lecture Notes in Business Information Processing*, pages 186–196, Berlin, Germany, November 2020. Springer.
26. Henderik A. Proper. Data ecosystems – Fuelling the digital age (invited paper). In Ben Roelens, Wim Laurier, Geert Poels, and Hans Weigand, editors, *Proceedings of 14th International Workshop on Value Modelling and Business Ontologies, Brussels, Belgium, January 16-17, 2020*, volume 2574 of *CEUR Workshop Proceedings*, pages 1–4, Aachen, Germany, 2020. CEUR-WS.org.
  27. Mark A. T. Mulder and Henderik A. Proper. Towards enterprise-grade tool support for DEMO. In Jānis Grabis and Dominik Bork, editors, *The Practice of Enterprise Modeling – 13th IFIP Working Conference, PoEM 2020, Riga, Latvia, November 25-27, 2020, Proceedings*, volume 400 of *Lecture Notes in Business Information Processing*, pages 90–105, Berlin, Germany, November 2020. Springer.
  28. Henderik A. Proper and Marija Bjeković. Fundamental challenges in systems modelling. In Heinrich C. Mayr, Stefanie Rinderle-Ma, and Stefan Strecker, editors, *40 Years EMISA 2019, May 15-17, 2019, Evangelische Akademie Tutzing, Germany*, volume P-304 of *Lecture Notes in Informatics*, pages 13–28, Bonn, Germany, May 2020. Gesellschaft für Informatik.
  29. Henderik A. Proper. Digital enterprise modelling – Opportunities and challenges. In Ben Roelens, Wim Laurier, Geert Poels, and Hans Weigand, editors, *Proceedings of 14th International Workshop on Value Modelling and Business Ontologies, Brussels, Belgium, January 16-17, 2020*, volume 2574 of *CEUR Workshop Proceedings*, pages 33–40, Aachen, Germany, 2020. CEUR-WS.org.
  30. Monique Snoeck, Janis Stirna, Hans Weigand, and Henderik A. Proper. Panel discussion: Artificial intelligence meets enterprise modelling (summary of panel discussion). In Christophe Feltus, Paul Johannesson, and Henderik A. Proper, editors, *Proceedings of the Practice of Enterprise Modelling 2019 Conference Forum (short papers), Luxembourg, November 27-29, 2019*, volume 2586 of *CEUR Workshop Proceedings*, pages 88–97, Aachen, Germany, 2020. CEUR-WS.org.
  31. Henderik A. Proper, Marija Bjeković, Bas van Gils, and Stijn J. B. A. Hoppenbrouwers. Towards a multi-stage strategy to teach enterprise modelling. In David Aveiro, Giancarlo Guizzardi, Sérgio Guerreiro, and Guédria Wided, editors, *Advances in Enterprise Engineering XII – 8th Enterprise Engineering Working Conference, EEWC 2018, Luxembourg, May 28 – June 1, 2018, Proceedings*, volume 334 of *Lecture Notes in Business Information Processing*, pages 181–202, Berlin, Germany, 2019. Springer.
  32. Ö. Uludağ, Henderik A. Proper, and Florian Matthes. Investigating the establishment of architecture principles for supporting large-scale agile transformations. In *23rd IEEE International Enterprise Distributed Object Computing Conference, EDOC 2019, Paris, France, October 28-31, 2019*, pages 41–50, Washington DC, USA, October 2019. IEEE Computer Society.
  33. Kurt Sandkuhl and Henderik A. Proper. Towards an early warning mechanism for adaptation needs of digital services. In Jörg Becker and Dmitry A. Novikov, editors, *21st IEEE Conference on Business Informatics, CBI 2019, Moscow, Russia, July 15-17, 2019, Volume 1 – Research Papers*, pages 504–511, Washington DC, USA, July 2019. IEEE Computer Society.
  34. Henderik A. Proper, Michael P. T. Alkema, and Pierre-Jean Barlatier. Value co-creation in parkinson networks. In Paul Johannesson, Birger Andersson, and Hans Weigand, editors, *Short Paper Proceedings of the 13th International Workshop on Value Modeling and Business Ontologies, VMBO, 2019, Stockholm, Sweden, March 4-5, 2019*, volume 2383 of *CEUR Workshop Proceedings*, Aachen, Germany, 2019. CEUR-WS.org.

35. Henderik A. Proper, Marija Bjeković, Christophe Feltus, and Iván S. Razo-Zapata. On the development of a modelling framework for value co-creation. In Jaap Gordijn and Henderik A. Proper, editors, *Proceedings of the 12th International Workshop on Value Modeling and Business Ontologies, VMBO 2018, Amsterdam, The Netherlands, February 26th – 27th, 2018*, volume 2239 of *CEUR Workshop Proceedings*, pages 122–132, Aachen, Germany, 2018. CEUR-WS.org.
36. Iván S. Razo-Zapata, Eng K. Chew, and Henderik A. Proper. VIVA: A VISual language to design VALue co-creation. In Henderik A. Proper, Stefan Strecker, and Christian Huemer, editors, *20th IEEE Conference on Business Informatics, CBI 2018, Vienna, Austria, July 11-14, 2018, Volume 2 – Research-in-Progress Papers and Workshops*, pages 20–29, Washington DC, USA, July 2018. IEEE Computer Society.
37. Christian Huemer, Gerti Kappel, Manuel Wimmer, Henderik A. Proper, Siegfried Reich, Wernher Behrendt, Stefan Thalmann, Georg Weichhart, and Alois Zoitl. Interoperability and integration in future production systems. In Henderik A. Proper, Stefan Strecker, Christian Huemer, Christophe Feltus, Guédria Wided, Iván S. Razo-Zapata, Manel Brichni, David Rozier, Mikhail M. Komarov, Svetlana V. Maltseva, and Sérgio Guerreiro, editors, *20th IEEE Conference on Business Informatics, CBI 2018, Vienna, Austria, July 11-14, 2018, Volume 2 – Research-in-Progress Papers and Workshops*, pages 175–177, Washington DC, USA, July 2018. IEEE Computer Society.
38. Iván S. Razo-Zapata, Eng K. Chew, Qin Ma, L. Gammaitoni, and Henderik A. Proper. Enabling value co-creation in customer journeys with VIVA. In *Joint International Conference on Service Science and Innovation (ICSSI 2018) and on Serviceology (ICServ2018)*, 2018.
39. Henderik A. Proper and Kurt Sandkuhl. The context of collaborative digital service development. In Dominik Bork, Jānis Grabis, and Birger Lantow, editors, *Proceedings of the 2nd International Workshop on Practicing Open Enterprise Modelling within OMiLAB (ProOse) Co-located with 11th IFIP WG 8.1 Working Conference on the Practice of Enterprise Modelling (PoEM 2018), Vienna, Austria, October 31, 2018*, volume 2238 of *CEUR Workshop Proceedings*, pages 73–87, Aachen, Germany, 2018. CEUR-WS.org.
40. Agnes Nakakawa, Flavia Namagembe, and Henderik A. Proper. Dimensions for scoping e-government enterprise architecture development efforts. In Hervé Panetto, Christophe Debruyne, Henderik A. Proper, Claudio A. Ardagna, Dumitru Roman, and Robert Meersman, editors, *On the Move to Meaningful Internet Systems. OTM 2018 Conferences – Confederated International Conferences: CoopIS, C&TC, and ODBASE 2018, Valletta, Malta, October 22-26, 2018, Proceedings, Part I*, volume 11229 of *Lecture Notes in Computer Science*, pages 661–679, Berlin, Germany, 2018. Springer.
41. Bas van Gils and Henderik A. Proper. Enterprise modelling in the age of digital transformation. In Robert Andrei Buchmann, Dimitris Karagiannis, and Marite Kirikova, editors, *The Practice of Enterprise Modeling – 11th IFIP WG 8.1. Working Conference, PoEM 2018, Vienna, Austria, October 31 – November 2, 2018, Proceedings*, volume 335 of *Lecture Notes in Business Information Processing*, pages 257–273, Berlin, Germany, 2018. Springer.
42. Henderik A. Proper, Marija Bjeković, Bas van Gils, and Sybren de Kinderen. Enterprise architecture modelling – Purpose, requirements and language. In *22nd IEEE International Enterprise Distributed Object Computing Workshop, EDOC Workshops 2018, Stockholm, Sweden, October 16-19, 2018*, pages 162–169, Washington DC, USA, 2018. IEEE, IEEE Computer Society.
43. Stijn J. B. A. Hoppenbrouwers, Henderik A. Proper, and Maurice Nijssen. Towards key principles of fact based thinking. In Christophe Debruyne, Hervé Panetto, Guédria Wided, Peter W. L. Bollen, Ioana Ciuciu, and Robert Meersman, editors, *On the Move to Meaningful Internet Systems: OTM 2018 Workshops – Confederated International Workshops: EI2N,*

*FBM, ICSP, and Meta4eS 2018, Valletta, Malta, October 22-26, 2018, Revised Selected Papers*, volume 11231 of *Lecture Notes in Computer Science*, pages 77–86, Berlin, Germany, 2018. Springer.

44. Christophe Feltus, Henderik A. Proper, Andreas Metzger, Juan Carlos Garcia Lopez, and Rodrigo Castiñeira González. Value co-creation (VCC) language design in the frame of a smart airport network case study. In Leonard Barolli, Makoto Takizawa, Tomoya Enokido, Marek R. Ogiela, Lidia Ogiela, and N. Javaid, editors, *32nd IEEE International Conference on Advanced Information Networking and Applications, AINA 2018, Krakow, Poland, May 16-18, 2018*, pages 858–865, Washington DC, USA, May 2018. IEEE Computer Society.
45. Christophe Feltus, Lysanne Lessard, François B. Vernadat, Daniel Amyot, and Henderik A. Proper. Conceptualization of a value cocreation language for knowledge-intensive business services. In Ewa Ziembka, editor, *Information Technology for Management. Ongoing Research and Development – 15th Conference, AITM 2017, and 12th Conference, ISM 2017, Held as Part of FedCSIS, Prague, Czech Republic, September 3-6, 2017, Extended Selected Papers*, volume 311 of *Lecture Notes in Business Information Processing*, pages 3–23, Berlin, Germany, 2018. Springer.
46. Christophe Feltus, Henderik A. Proper, and M. Kazem Haki. Towards a language to support value cocreation: An extension to the ArchiMate modeling framework. In Maria Ganzha, Leszek A. Maciaszek, and Marcin Paprzycki, editors, *Proceedings of the 2018 Federated Conference on Computer Science and Information Systems, FedCSIS 2018, Poznań, Poland, September 9-12, 2018*, volume 15 of *Annals of Computer Science and Information Systems*, pages 751–760, 2018.
47. Henderik A. Proper. Organisational design & enterprise engineering: Two sides of the same coin? In Ravi Prakash Gorthi, Santonu Sarkar, Nenad Medvidovic, Vinay Kulkarni, Akhil Kumar, Padmaja Joshi, Paola Inverardi, Ashish Sureka, and Richa Sharma, editors, *Proceedings of the 10th Innovations in Software Engineering Conference, ISEC 2017, Jaipur, India, February 5-7, 2017*, pages 2–3, New York City, New York, USA, 2017. ACM Press.
48. Gabriel S. S. Leal, Guédria Wided, Hervé Panetto, and Henderik A. Proper. Towards a semi-automated tool for interoperability assessment: An ontology-based approach. In Antònia Mas, Antoni Lluís Mesquida, Rory V. O’Connor, Terry Rout, and Alec Dorling, editors, *Software Process Improvement and Capability Determination – 17th International Conference, SPICE 2017, Palma de Mallorca, Spain, October 4-5, 2017, Proceedings*, volume 770 of *Communications in Computer and Information Science*, pages 241–254, Berlin, Germany, 2017. Springer.
49. Iván S. Razo-Zapata, Anup Shrestha, and Henderik A. Proper. On valuation of smart grid architectures: An enterprise engineering perspective. In Iris Reinhartz-Berger, Jens Gulden, Selmin Nurcan, Guédria Wided, and Palash Bera, editors, *Enterprise, Business-Process and Information Systems Modeling – 18th International Conference, BPMDS 2017, 22nd International Conference, EMMSAD 2017, Held at CAiSE 2017, Essen, Germany, June 12-13, 2017, Proceedings*, volume 287 of *Lecture Notes in Business Information Processing*, pages 346–353, Berlin, Germany, 2017. Springer.
50. Iván S. Razo-Zapata, Anup Shrestha, and Henderik A. Proper. An assessment framework to determine the strategic value of IT architectures in smart grids. In *Australasian Conference on Information Systems, ACIS 2017, Hobart, Tasmania, Australia, December 4-6, 2017*, page 110, 2017.
51. Gabriel S. S. Leal, Guédria Wided, Hervé Panetto, Henderik A. Proper, and Mario Lezoche. Using formal measures to improve maturity model assessment for conceptual interoperability. In Ioana Ciuciu, Christophe Debruyne, Hervé Panetto, Georg Weichhart, Peter W. L.

- Bollen, Anna Fensel, and María-Esther Vidal, editors, *On the Move to Meaningful Internet Systems: OTM 2016 Workshops – Confederated International Workshops: EI2N, FBM, ICSP, Meta4eS, and OTMA 2016, Rhodes, Greece, October 24-28, 2016, Revised Selected Papers*, volume 10034 of *Lecture Notes in Computer Science*, pages 47–56, Berlin, Germany, 2017. Springer.
52. Christophe Feltus and Henderik A. Proper. Conceptualization of an abstract language to support value co-creation. In Maria Ganzha, Leszek A. Maciaszek, and Marcin Paprzycki, editors, *Proceedings of the 2017 Federated Conference on Computer Science and Information Systems, FedCSIS 2017, Prague, Czech Republic, September 3-6, 2017*, volume 11 of *Annals of Computer Science and Information Systems*, pages 971–980, Washington DC, USA, 2017. IEEE Computer Society.
  53. Christophe Feltus and Henderik A. Proper. Towards a security and privacy co-creation method. In D. Fischer, editor, *12th International Conference for Internet Technology and Secured Transactions, ICITST 2017, Cambridge, United Kingdom, December 11-14, 2017*, pages 75–80, Washington DC, USA, 2017. IEEE Computer Society.
  54. Iván S. Razo-Zapata, Eng K. Chew, and Henderik A. Proper. Visual modeling for value (co-)creation. In *Proceedings of the 10th International Workshop on Value Modelling and Business Ontologies (VMBO)*, 2016.
  55. Iván S. Razo-Zapata, Mihail Mihaylov, and Henderik A. Proper. Exploring the application of multilayer networks in enterprise architecture: A case study in the smart grid. In Elena Kornysheva, Geert Poels, Christian Huemer, Isabelle Wattiau, Florian Matthes, and Jorge L. C. Sanz, editors, *18th IEEE Conference on Business Informatics, CBI 2016, 29th August – 1st September 2016, Paris, France, Volume 1 – Conference Papers*, pages 300–307, Washington DC, USA, 2016. IEEE Computer Society.
  56. Gabriel S. S. Leal, Guédria Wided, Hervé Panetto, and Henderik A. Proper. Towards a meta-model for networked enterprise. In Rainer Schmidt, Guédria Wided, Iliia Bider, and Sérgio Guerreiro, editors, *Enterprise, Business-Process and Information Systems Modeling – 17th International Conference, BPMDS 2016, 21st International Conference, EMMSAD 2016, Held at CAiSE 2016, Ljubljana, Slovenia, June 13-14, 2016, Proceedings*, volume 248 of *Lecture Notes in Business Information Processing*, pages 417–431, Berlin, Germany, 2016. Springer.
  57. Georgios Plataniotis, Qin Ma, Henderik A. Proper, and Sybren de Kinderen. Traceability and modeling of requirements in enterprise architecture from a design rationale perspective. In Colette Rolland, D. Anagnostopoulos, Pericles Loucopoulos, and C. Gonzalez-Perez, editors, *9th IEEE International Conference on Research Challenges in Information Science, RCIS 2015, Athens, Greece, May 13-15, 2015*, pages 518–519, Washington DC, USA, May 2015. IEEE Computer Society.
  58. Khaled Gaaloul, Sérgio Guerreiro, and Henderik A. Proper. Modeling access control transactions in enterprise architecture. In Henderik A. Proper and Jolita Ralyté, editors, *IEEE 16th Conference on Business Informatics, CBI 2014, Geneva, Switzerland, July 14-17, 2014 – Volume 1*, volume 1, pages 127–134, Washington DC, USA, July 2014. IEEE Computer Society.
  59. Georgios Plataniotis, Sybren de Kinderen, and Henderik A. Proper. Implementing a software prototype for enterprise architecture rationalization: Lessons learned. In George Grossmann, Sylvain Hallé, Dimka Karastoyanova, Manfred Reichert, and Stefanie Rinderle-Ma, editors, *18th IEEE International Enterprise Distributed Object Computing Conference Workshops and Demonstrations, EDOC Workshops 2014, Ulm, Germany, September 1-2, 2014*, pages 41–46, Washington DC, USA, September 2014. IEEE Computer Society.

60. Dirk J. T. van der Linden and Henderik A. Proper. Category structure of language types common to conceptual modeling languages. In Ilia Bider, Khaled Gaaloul, John Krogstie, Selmin Nurcan, Henderik A. Proper, Rainer Schmidt, and Pnina Soffer, editors, *Enterprise, Business-Process and Information Systems Modeling – 15th International Conference, BPMDS 2014, 19th International Conference, EMMSAD 2014, Held at CAiSE 2014, Thessaloniki, Greece, June 16-17, 2014. Proceedings*, volume 175 of *Lecture Notes in Business Information Processing*, pages 317–331, Berlin, Germany, 2014. Springer.
61. Georgios Plataniotis, Sybren de Kinderen, and Henderik A. Proper. Capturing design rationales in enterprise architecture: A case study. In Ulrich Frank, Pericles Loucopoulos, Óscar Pastor López, and Ilias Petrounias, editors, *The Practice of Enterprise Modeling – 7th IFIP WG 8.1 Working Conference, PoEM 2014, Manchester, UK, November 12-13, 2014. Proceedings*, volume 197 of *Lecture Notes in Business Information Processing*, pages 133–147, Berlin, Germany, 2014. Springer.
62. Georgios Plataniotis, Henderik A. Proper, and Sybren de Kinderen. A computational approach for design rationalization in enterprise architecture. In Marko Bajec, Martine Collard, and Rébecca Deneckère, editors, *IEEE 8th International Conference on Research Challenges in Information Science, RCIS 2014, Marrakech, Morocco, May 28-30, 2014*, pages 1–2, Washington DC, USA, 2014. IEEE Computer Society.
63. Henderik A. Proper. Enterprise architecture: Informed steering of enterprises in motion. In Slimane Hammoudi, José A. Moinhos Cordeiro, Leszek A. Maciaszek, and Joaquim Filipe, editors, *Enterprise Information Systems – 15th International Conference, ICEIS 2013, Angers, France, July 4-7, 2013, Revised Selected Papers*, volume 190 of *Lecture Notes in Business Information Processing*, pages 16–34, Berlin, Germany, 2014. Springer.
64. Khaled Gaaloul, S. Yangui, S. Tata, and Henderik A. Proper. Architecting access control for business processes in the cloud. In *International Workshop on Advanced Information Systems for Enterprises (IWAISE), Tunis, Tunisia*, pages 8–14, Washington DC, USA, 2014. IEEE Computer Society.
65. Sybren de Kinderen, Qin Ma, and Henderik A. Proper. Model bundling: Towards a value-based componential approach for language engineering. In *Proceedings of the 8th International Workshop on Value Modelling and Business Ontology (VMBO 2014), Berlin, Germany*, 2014.
66. Dirk J. T. van der Linden, Henderik A. Proper, and Stijn J. B. A. Hoppenbrouwers. Conceptual understanding of conceptual modeling concepts: A longitudinal study among students learning to model. In Lazaros S. Iliadis, Mike P. Papazoglou, and Klaus Pohl, editors, *Advanced Information Systems Engineering Workshops – CAiSE 2014 International Workshops, Thessaloniki, Greece, June 16-20, 2014. Proceedings*, volume 178 of *Lecture Notes in Business Information Processing*, pages 213–218, Berlin, Germany, 2014. Springer.
67. Guédria Wided and Henderik A. Proper. The need for second order interoperability – A view beyond traditional concepts. In Robert Meersman, Hervé Panetto, Alok Mishra, Rafael Valencia-García, António Lucas Soares, Ioana Ciuciu, Fernando Ferri, Georg Weichhart, Thomas Moser, Michele Bezzi, and Henry C. B. Chan, editors, *On the Move to Meaningful Internet Systems: OTM 2014 Workshops – Confederated International Workshops: OTM Academy, OTM Industry Case Studies Program, C&TC, EI2N, INBAST, ISDE, META4eS, MSC and OnToContent 2014, Amantea, Italy, October 27-31, 2014. Proceedings*, volume 8842 of *Lecture Notes in Computer Science*, pages 255–264, Berlin, Germany, 2014. Springer.
68. Khaled Gaaloul and Henderik A. Proper. A modeling approach supporting access control delegation in a disaster management context. In Sumitra Reddy, editor, *IEEE 23rd International WETICE Conference, WETICE 2014, Parma, Italy, 23-25 June, 2014*, pages 263–268, Washington DC, USA, 2014. IEEE Computer Society.

69. Dirk J. T. van der Linden and Henderik A. Proper. On the accommodation of conceptual distinctions in conceptual modeling languages. In Hans-Georg Fill, Dimitris Karagiannis, and Ulrich Reimer, editors, *Modellierung 2014, 19.-21. März 2014, Wien, Österreich*, volume P-225 of *Lecture Notes in Informatics*, pages 17–32, Bonn, Germany, 2014. Gesellschaft für Informatik.
70. Céline Décosse, Wolfgang A. Molnar, and Henderik A. Proper. What does DEMO do? a qualitative analysis about DEMO in practice: Founders, modellers and beneficiaries. In David Aveiro, José M. Tribolet, and Duarte Gouveia, editors, *Advances in Enterprise Engineering VIII – 4th Enterprise Engineering Working Conference, EEWC 2014, Funchal, Madeira Island, Portugal, May 5-8, 2014. Proceedings*, volume 174 of *Lecture Notes in Business Information Processing*, pages 16–30, Berlin, Germany, 2014. Springer.
71. Marija Bjeković, Henderik A. Proper, and Jean-Sébastien Sottet. Embracing pragmatics. In Eric S. K. Yu, Gillian Dobbie, Matthias Jarke, and Sandeep Purao, editors, *Conceptual Modeling – 33rd International Conference, ER 2014, Atlanta, GA, USA, October 27-29, 2014. Proceedings*, volume 8824 of *Lecture Notes in Computer Science*, pages 431–444, Berlin, Germany, 2014. Springer.
72. Sybren de Kinderen and Henderik A. Proper. e<sup>3</sup>RoME: a value-based approach for method bundling. In Sung Y. Shin and José Carlos Maldonado, editors, *Proceedings of the 28th Annual ACM Symposium on Applied Computing, SAC '13, Coimbra, Portugal, March 18-22, 2013*, SAC '13, pages 1469–1471, New York City, New York, USA, 2013. ACM Press.
73. Dirk J. T. van der Linden and Henderik A. Proper. Do conceptual modeling languages accommodate enough explicit conceptual distinctions? In Janis Grabis, Marite Kirikova, Jelena Zdravkovic, and Janis Stirna, editors, *Short Paper Proceedings of the 6th IFIP WG 8.1 Working Conference on the Practice of Enterprise Modeling (PoEM 2013), Riga, Latvia, November 6-7, 2013*, volume 1023 of *CEUR Workshop Proceedings*, pages 126–135, Aachen, Germany, 2013. CEUR-WS.org.
74. Georgios Plataniotis, Sybren de Kinderen, Dirk J. T. van der Linden, Danny Greefhorst, and Henderik A. Proper. An empirical evaluation of design decision concepts in enterprise architecture. In Jānis Grabis, Marite Kirikova, Jelena Zdravkovic, and Janis Stirna, editors, *The Practice of Enterprise Modeling – 6th IFIP WG 8.1 Working Conference, PoEM 2013, Riga, Latvia, November 6-7, 2013, Proceedings*, volume 165 of *Lecture Notes in Business Information Processing*, pages 24–38, Berlin, Germany, 2013. Springer.
75. Georgios Plataniotis, Sybren de Kinderen, and Henderik A. Proper. Relating decisions in enterprise architecture using decision design graphs. In Dragan Gasevic, Marek Hatala, Hamid R. M. Nezhad, and Manfred Reichert, editors, *17th IEEE International Enterprise Distributed Object Computing Conference, EDOC 2013, Vancouver, BC, Canada, September 9-13, 2013*, pages 139–146, Washington DC, USA, September 2013. IEEE Computer Society.
76. Marija Bjeković, Henderik A. Proper, and Jean-Sébastien Sottet. Enterprise modelling languages – Just enough standardisation? In Boris Shishkov, editor, *Business Modeling and Software Design – Third International Symposium, BMSD 2013, Noordwijkerhout, The Netherlands, July 8-10, 2013, Revised Selected Papers*, volume 173 of *Lecture Notes in Business Information Processing*, pages 1–23, Berlin, Germany, 2013. Springer.
77. Roel Wagter, Henderik A. Proper, and Dirk Witte. Developing the GEA method – Design science and Case-Study research in action. In Xavier Franch and Pnina Soffer, editors, *Advanced Information Systems Engineering Workshops – CAiSE 2013 International Workshops, Valencia, Spain, June 17-21, 2013. Proceedings*, volume 148 of *Lecture Notes in Business Information Processing*, pages 43–57, Berlin, Germany, June 2013. Springer.

78. Roel Wagter, Henderik A. Proper, and Dirk Witte. Enterprise coherence governance in the public sector – Custodial institutions agency of the dutch ministry of security and justice. In Birgit Hofreiter, Kwei-Jay Lin, Christian Huemer, Henderik A. Proper, and Jorge L. C. Sanz, editors, *IEEE 15th Conference on Business Informatics, CBI 2013, Vienna, Austria, July 15-18, 2013*, pages 117–124, Washington DC, USA, July 2013. IEEE Computer Society.
79. Henderik A. Proper. Business informatics for enterprise transformations. In *2013 IEEE 6th International Conference on Service-Oriented Computing and Applications, Koloa, HI, USA, December 16-18, 2013*, page 251, Washington DC, USA, December 2013. IEEE Computer Society.
80. Henderik A. Proper. Keynote: Architecture-based services innovation. In Slimane Ham-moudi, Leszek A. Maciaszek, José A. Moinhos Cordeiro, and Jan L. G. Dietz, editors, *ICEIS 2013 – Proceedings of the 15th International Conference on Enterprise Information Systems, Volume 1, Angers, France, 4-7 July, 2013*, pages IS–11, Setúbal, Portugal, 2013. SciTePress.
81. Niek J. Pluijmert, Wolfgang A. Molnar, and Henderik A. Proper. Research approach in enterprise engineering: A matter of engineering. In Xavier Franch and Pnina Soffer, editors, *Advanced Information Systems Engineering Workshops – CAiSE 2013 International Workshops, Valencia, Spain, June 17-21, 2013. Proceedings*, volume 148 of *Lecture Notes in Business Information Processing*, pages 73–86, Berlin, Germany, June 2013. Springer.
82. Wolfgang A. Molnar and Henderik A. Proper. Engineering an enterprise: Practical issues of two case studies from the luxembourgish beverage and tobacco industry. In A. Frank Harmsen and Henderik A. Proper, editors, *Practice-Driven Research on Enterprise Transformation – 6th Working Conference, PRET 2013, Utrecht, The Netherlands, June 6, 2013. Proceedings*, volume 151 of *Lecture Notes in Business Information Processing*, pages 76–91, Berlin, Germany, June 2013. Springer.
83. Khaled Gaaloul, M. El Kharbili, and Henderik A. Proper. Secure governance in enterprise architecture – Access control perspective. In California IEEE Explore, Los Alamitos, editor, *The 3rd International Symposium ISKO-Maghreb, Marrakesh, Morocco, November 8–9, 2013*.
84. Dirk J. T. van der Linden and Henderik A. Proper. On the cognitive understanding of types in modeling languages. In Reinhard Jung and Manfred Reichert, editors, *Enterprise Modelling and Information Systems Architectures: Proceedings of the 5th International Workshop on Enterprise Modelling and Information Systems Architectures, EMISA 2013, St. Gallen, Switzerland, September 5-6, 2013*, volume P-222 of *Lecture Notes in Informatics*, pages 149–162, Bonn, Germany, 2013. Gesellschaft für Informatik.
85. Guédria Wided, Khaled Gaaloul, Henderik A. Proper, and Yannick Naudet. Research methodology for enterprise interoperability architecture approach. In Xavier Franch and Pnina Soffer, editors, *Advanced Information Systems Engineering Workshops – CAiSE 2013 International Workshops, Valencia, Spain, June 17-21, 2013. Proceedings*, volume 148 of *Lecture Notes in Business Information Processing*, pages 16–29, Berlin, Germany, June 2013. Springer.
86. Guédria Wided, Khaled Gaaloul, Yannick Naudet, and Henderik A. Proper. A modelling approach to support enterprise architecture interoperability. In Yan T. Demey and Hervé Panetto, editors, *On the Move to Meaningful Internet Systems: OTM 2013 Workshops – Confederated International Workshops: OTM Academy, OTM Industry Case Studies Program, ACM, EI2N, ISDE, Meta4eS, ORM, SeDeS, SINCOM, SMS, and SOMOCO 2013, Graz, Austria, September 9-13, 2013, Proceedings*, volume 8186 of *Lecture Notes in Computer Science*, pages 189–198, Berlin, Germany, 2013. Springer.



87. Khaled Gaaloul and Henderik A. Proper. An access control model for organisational management in enterprise architecture. In *Ninth International Conference on Semantics, Knowledge and Grids, SKG 2013, Beijing, China, October 3-4, 2013*, pages 37–43, Washington DC, USA, 2013. IEEE Computer Society.
88. Céline Décosse, Wolfgang A. Molnar, and Henderik A. Proper. A qualitative research approach to obtain insight in business process modelling methods in practice. In Jānis Grabis, Marite Kirikova, Jelena Zdravkovic, and Janis Stirna, editors, *The Practice of Enterprise Modeling – 6th IFIP WG 8.1 Working Conference, PoEM 2013, Riga, Latvia, November 6-7, 2013, Proceedings*, volume 165 of *Lecture Notes in Business Information Processing*, pages 161–175, Berlin, Germany, 2013. Springer.
89. Marija Bjeković, Jean-Sébastien Sottet, Jean-Marie Favre, and Henderik A. Proper. A framework for natural enterprise modelling. In Birgit Hofreiter, Kwei-Jay Lin, Christian Huemer, Henderik A. Proper, and Jorge L. C. Sanz, editors, *IEEE 15th Conference on Business Informatics, CBI 2013, Vienna, Austria, July 15-18, 2013*, pages 79–84, Washington DC, USA, July 2013. IEEE Computer Society.
90. Marija Bjeković and Henderik A. Proper. Challenges of modelling landscapes: Pragmatics swept under the carpet? In *Third International Symposium, BMSD*, pages 11–22, 2013.
91. Wolfgang A. Molnar and Henderik A. Proper. A case study of a financial services provider: Progressing towards applying advanced enterprise engineering. In J. P. Shim, Y. Hwang, and S. Petter, editors, *19th Americas Conference on Information Systems, AMCIS 2013, Chicago, Illinois, USA, August 15-17, 2013*, pages 1–8. Association for Information Systems, 2013.
92. Georgios Plataniotis, Sybren de Kinderen, and Henderik A. Proper. EA anamnesis: Towards an approach for enterprise architecture rationalization. In Juha-Pekka Tolvanen, Jonathan Sprinkle, Matti Rossi, and Jeff Gray, editors, *Proceedings of the 2012 Workshop on Domain-Specific Modeling, DSM '12, Tucson, Arizona, USA, October 22, 2012*, DSM '12, pages 27–32, New York City, New York, USA, October 2012. ACM Press.
93. Roel Wagter, Henderik A. Proper, and Dirk Witte. A practice-based framework for enterprise coherence. In Henderik A. Proper, Khaled Gaaloul, A. Frank Harmsen, and Stanisław Wrycza, editors, *Practice-Driven Research on Enterprise Transformation – 4th Working Conference, PRET 2012, Gdańsk, Poland, June 27, 2012. Proceedings*, volume 120 of *Lecture Notes in Business Information Processing*, pages 77–95, Berlin, Germany, June 2012. Springer.
94. Roel Wagter, Henderik A. Proper, and Dirk Witte. The extended enterprise coherence-governance assessment. In Stephan Aier, Mathias Ekstedt, Florian Matthes, Henderik A. Proper, and Jorge L. C. Sanz, editors, *Trends in Enterprise Architecture Research and Practice-Driven Research on Enterprise Transformation – 7th Workshop, TEAR 2012, and 5th Working Conference, PRET 2012, Held at the Open Group Conference 2012, Barcelona, Spain, October 23-24, 2012. Proceedings*, volume 131 of *Lecture Notes in Business Information Processing*, pages 218–235, Berlin, Germany, October 2012. Springer.
95. Roel Wagter, Henderik A. Proper, and Dirk Witte. Enterprise coherence in the dutch ministry of social affairs and employment. In Marko Bajec and Johann Eder, editors, *Advanced Information Systems Engineering Workshops – CAiSE 2012 International Workshops, Gdańsk, Poland, June 25-26, 2012. Proceedings*, volume 112 of *Lecture Notes in Business Information Processing*, pages 600–607, Berlin, Germany, June 2012. Springer.
96. Roel Wagter, Henderik A. Proper, and Dirk Witte. On the use of GEA at the dutch ministry of social affairs and employment. In Stefanie Rinderle-Ma, Jorge L. C. Sanz, and Xiaoying Bai, editors, *14th IEEE International Conference on Commerce and Enterprise Computing*,

*CEC 2012, Hangzhou, China, September 9-11, 2012*, pages 115–119, Washington DC, USA, September 2012. IEEE Computer Society.

97. Diana Marosin, Henderik A. Proper, and Leon W. N. van der Torre. Changing agreements: Intention reconsideration based on assumptions and reasons. In Sascha Ossowski, Francesca Toni, and George A. Vouros, editors, *Proceedings of the First International Conference on Agreement Technologies, AT 2012, Dubrovnik, Croatia, October 15-16, 2012*, volume 918 of *CEUR Workshop Proceedings*, pages 262–263, Aachen, Germany, 2012. CEUR-WS.org.
98. Khaled Gaaloul, Henderik A. Proper, and François Charoy. An extended RBAC model for task delegation in workflow systems. In Laila Niedrite, Renate Strazdina, and Benkt Wangler, editors, *Workshops on Business Informatics Research – BIR 2011 International Workshops and Doctoral Consortium, Riga, Latvia, October 6, 2011 Revised Selected Papers*, volume 106 of *Lecture Notes in Business Information Processing*, pages 51–63, Berlin, Germany, 2012. Springer.
99. Christophe Feltus, Eric Dubois, Henderik A. Proper, Iver Band, and Michaël Petit. Enhancing the ArchiMate standard with a responsibility modeling language for access rights management. In Manoj Singh Gaur, Atilla Elçi, Oleg B. Makarevich, Mehmet A. Orgun, and Virendra Singh, editors, *5th International Conference of Security of Information and Networks, SIN '12, Jaipur, India, October 22–26, 2012*, SIN '12, pages 12–19, New York City, New York, USA, 2012. ACM Press.
100. Sybren de Kinderen, Khaled Gaaloul, and Henderik A. Proper. Integrating value modelling into ArchiMate. In Mehdi Snene, editor, *Exploring Services Science – Third International Conference, IESS 2012, Geneva, Switzerland, February 15-17, 2012. Proceedings*, volume 103 of *Lecture Notes in Business Information Processing*, pages 125–139, Berlin, Germany, 2012. Springer.
101. Sybren de Kinderen, Khaled Gaaloul, and Henderik A. Proper. Transforming transaction models into ArchiMate. In Marite Kirikova and Janis Stirna, editors, *Proceedings of the CAiSE'12 Forum at the 24th International Conference on Advanced Information Systems Engineering (CAiSE), Gdansk, Poland, June 28, 2012*, volume 855 of *CEUR Workshop Proceedings*, pages 114–121, Aachen, Germany, 2012. CEUR-WS.org.
102. Sybren de Kinderen, Khaled Gaaloul, and Henderik A. Proper. On transforming DEMO models to ArchiMate. In Ilia Bider, Terry A. Halpin, John Krogstie, Selmin Nurcan, Henderik A. Proper, Rainer Schmidt, Pnina Soffer, and Stanisław 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, Gdańsk, Poland, June 25-26, 2012. Proceedings*, volume 113 of *Lecture Notes in Business Information Processing*, pages 270–284, Berlin, Germany, June 2012. Springer.
103. Roel Wagter, Henderik A. Proper, and Dirk Witte. Enterprise architecture: A strategic specialism. In Stefanie Rinderle-Ma, Jorge L. C. Sanz, and Xiaoying Bai, editors, *14th IEEE International Conference on Commerce and Enterprise Computing, CEC 2012, Hangzhou, China, September 9-11, 2012*, pages 1–8, Washington DC, USA, September 2012. IEEE Computer Society.
104. Marija Bjeković, Henderik A. Proper, and Jean-Sébastien Sottet. Towards a coherent enterprise modelling landscape. In Kurt Sandkuhl, Ulf Seigerroth, and Janis Stirna, editors, *Short Paper Proceedings of the 5th IFIP WG 8.1 Working Conference on the Practice of Enterprise Modeling, Rostock, Germany, November 7-8, 2012*, volume 933 of *CEUR Workshop Proceedings*, Aachen, Germany, 2012. CEUR-WS.org.
105. Khaled Gaaloul, Henderik A. Proper, and François Charoy. Delegation protocols in human-centric workflows. In Birgit Hofreiter, Eric Dubois, Kwei-Jay Lin, Thomas Setzer, Claude

- Godart, Henderik A. Proper, and Lianne Bodestaff, editors, *13th IEEE Conference on Commerce and Enterprise Computing, CEC 2011, Luxembourg-Kirchberg, Luxembourg, September 5-7, Volume 1, 2011*, pages 219–224, Washington DC, USA, September 2011. IEEE Computer Society.
106. Dirk J. T. van der Linden, Stijn J. B. A. Hoppenbrouwers, Alina Lartseva, and Henderik A. Proper. Towards an investigation of the conceptual landscape of enterprise architecture. In Virginia Dignum, Jan Hidders, and Sietse J. Overbeek, editors, *Proceedings of the 6th SIKS Conference on Enterprise Information Systems (EIS 2011)*, 2011.
  107. Dirk J. T. van der Linden, Stijn J. B. A. Hoppenbrouwers, Alina Lartseva, and Henderik A. Proper. Towards an investigation of the conceptual landscape of enterprise architecture. In Terry A. Halpin, Selmin Nurcan, John Krogstie, Pnina Soffer, Henderik A. Proper, Rainer Schmidt, and Ilia Bider, editors, *Enterprise, Business-Process and Information Systems Modeling – 11th International Workshop, BPMDS 2010, and 15th International Conference, EMMSAD 2010, held at CAiSE 2010, Hammamet, Tunisia, June 7-8, 2010. Proceedings*, volume 81 of *Lecture Notes in Business Information Processing*, pages 526–535, Berlin, Germany, June 2011. Springer.
  108. Denis Ssebuggwawo, Stijn J. B. A. Hoppenbrouwers, and Henderik A. Proper. Assessing collaborative modeling quality based on modeling artifacts. In Virginia Dignum, Jan Hidders, and Sietse J. Overbeek, editors, *Proceedings of the 6th SIKS Conference on Enterprise Information Systems, EIS 2011, Delft, The Netherlands, October 31, 2011*, volume 800 of *CEUR Workshop Proceedings*, pages 65–66, Aachen, Germany, 2011. CEUR-WS.org.
  109. Agnes Nakakawa, Patrick van Bommel, and Henderik A. Proper. Applying soft systems methodology in enterprise architecture creation workshops. In Markus Nüttgens, Oliver Thomas, and Barbara Weber, editors, *Enterprise Modelling and Information Systems Architectures: Proceedings of the 4th International Workshop on Enterprise Modelling and Information Systems Architectures, EMISA 2011, Hamburg, Germany, September 22-23, 2011*, volume P-190 of *Lecture Notes in Informatics*, pages 37–50, Bonn, Germany, September 2011. Gesellschaft für Informatik.
  110. Agnes Nakakawa, Patrick van Bommel, and Henderik A. Proper. Applying soft systems methodology in enterprise architecture creation workshops. In Virginia Dignum, Jan Hidders, and Sietse J. Overbeek, editors, *Proceedings of the 6th SIKS Conference on Enterprise Information Systems, EIS 2011, Delft, The Netherlands, October 31, 2011*, volume 800 of *CEUR Workshop Proceedings*, pages 69–70, Aachen, Germany, 2011. CEUR-WS.org.
  111. Khaled Gaaloul, Henderik A. Proper, and François Charoy. Injecting task delegation constraints into a formal security model. In *Workshop on Alignment of Business Process and Security Modelling (ABPSM’11) in Conjunction with the 10th International Conference on Perspectives in Business Informatics Research (BIR 2011)*, Riga, Latvia, pages 219–224, Berlin, Germany, September 2011. Springer.
  112. Henk Jonkers, Henderik A. Proper, Marc M. Lankhorst, Dick A. C. Quartel, and Maria-Eugenia Iacob. ArchiMate for integrated modelling throughout the architecture development and implementation cycle. In Birgit Hofreiter, Eric Dubois, Kwei-Jay Lin, Thomas Setzer, Claude Godart, Henderik A. Proper, and Lianne Bodestaff, editors, *13th IEEE Conference on Commerce and Enterprise Computing, CEC 2011, Luxembourg-Kirchberg, Luxembourg, September 5-7, Volume 1, 2011*, pages 294–301, Washington DC, USA, September 2011. IEEE Computer Society.
  113. Danny Greefhorst and Henderik A. Proper. A practical approach to the formulation and use of architecture principles. In *Workshops Proceedings of the 15th IEEE International Enterprise Distributed Object Computing Conference, EDOCW 2011, Helsinki, Finland, August*

29 – September 2, 2011, pages 330–339, Washington DC, USA, August 2011. IEEE Computer Society.

114. Fiona P. Tulinayo, Patrick van Bommel, and Henderik A. Proper. Grounded system dynamics: A procedure for underpinning system dynamics with a domain modeling method. In Paul Johannesson, John Krogstie, and Andreas L. Opdahl, editors, *The Practice of Enterprise Modeling – 4th IFIP WG 8.1 Working Conference, PoEM 2011 Oslo, Norway, November 2-3, 2011 Proceedings*, volume 92 of *Lecture Notes in Business Information Processing*, pages 112–125, Berlin, Germany, 2011. Springer.
115. Henderik A. Proper and Martin Op ’t Land. Lines in the water – The line of reasoning in an enterprise engineering case study from the public sector. In A. Frank Harmsen, Henderik A. Proper, Frank Schalkwijk, Joseph Barjis, and Sietse J. Overbeek, editors, *Practice-Driven Research on Enterprise Transformation – Second Working Conference, PRET 2010, Delft, The Netherlands, November 11, 2010. Proceedings*, volume 69 of *Lecture Notes in Business Information Processing*, pages 193–216, Berlin, Germany, November 2010. Springer.
116. Agnes Nakakawa, Patrick van Bommel, and Henderik A. Proper. On supporting collaborative problem solving in enterprise architecture creation. In A. Frank Harmsen, Henderik A. Proper, Frank Schalkwijk, Joseph Barjis, and Sietse J. Overbeek, editors, *Practice-Driven Research on Enterprise Transformation – Second Working Conference, PRET 2010, Delft, The Netherlands, November 11, 2010. Proceedings*, volume 69 of *Lecture Notes in Business Information Processing*, pages 156–181, Berlin, Germany, November 2010. Springer.
117. Henderik A. Proper and Danny Greefhorst. The role of principles in enterprise architecture. In Henderik A. Proper, Marc M. Lankhorst, Marten Schönherr, Joseph Barjis, and Sietse J. Overbeek, editors, *Trends in Enterprise Architecture Research – 5th International Workshop, TEAR 2010, Delft, The Netherlands, November 12, 2010. Proceedings*, volume 70 of *Lecture Notes in Business Information Processing*, pages 57–70, Berlin, Germany, November 2010. Springer.
118. Denis Ssebuggwawo, Stijn J. B. A. Hoppenbrouwers, and Henderik A. Proper. Assessing collaborative modeling quality based on modeling artifacts. In Patrick van Bommel, Stijn J. B. A. Hoppenbrouwers, Sietse J. Overbeek, Henderik A. Proper, and Joseph Barjis, editors, *The Practice of Enterprise Modeling – 3rd IFIP WG 8.1 Working Conference, PoEM 2010, Delft, The Netherlands, November 9-10, 2010. Proceedings*, volume 68 of *Lecture Notes in Business Information Processing*, pages 76–90, Berlin, Germany, November 2010. Springer.
119. Agnes Nakakawa, Patrick van Bommel, and Henderik A. Proper. Challenges of involving stakeholders when creating enterprise architecture. In Boudewijn F. van Dongen and Hajo A. Reijers, editors, *Proceedings of the 5th SIKS/BENAIIS Conference on Enterprise Information Systems, EIS 2010, Eindhoven, The Netherlands, November 16, 2010*, volume 662 of *CEUR Workshop Proceedings*, pages 43–55, Aachen, Germany, November 2010. CEUR-WS.org.
120. Agnes Nakakawa, Patrick van Bommel, and Henderik A. Proper. Towards a theory on collaborative decision making in enterprise architecture. In Robert Winter, J. Leon Zhao, and Stephan Aier, editors, *Global Perspectives on Design Science Research, 5th International Conference, DESRIST 2010, St. Gallen, Switzerland, June 4-5, 2010. Proceedings*, volume 6105 of *Lecture Notes in Computer Science*, pages 538–541, Berlin, Germany, 2010. Springer.
121. Denis Ssebuggwawo, Stijn J. B. A. Hoppenbrouwers, and Henderik A. Proper. Collaborative modeling: Towards a meta-model for analysis and evaluation. In Boudewijn F. van Dongen and Hajo A. Reijers, editors, *Proceedings of the 5th SIKS/BENAIIS Conference on Enterprise Information Systems, EIS 2010, Eindhoven, The Netherlands, November 16, 2010*, volume 662 of *CEUR Workshop Proceedings*, pages 56–70, Aachen, Germany, November 2010. CEUR-WS.org.

122. Jos Groenewegen, Stijn J. B. A. Hoppenbrouwers, and Henderik A. Proper. Playing Archi-Mate models. In Ilia Bider, Terry A. Halpin, John Krogstie, Selmin Nurcan, Henderik A. Proper, Rainer Schmidt, and Roland Ukor, editors, *Enterprise, Business-Process and Information Systems Modeling – 11th International Workshop, BPMDS 2010, and 15th International Conference, EMMSAD 2010, held at CAiSE 2010, Hammamet, Tunisia, June 7-8, 2010. Proceedings*, volume 50 of *Lecture Notes in Business Information Processing*, pages 182–194, Berlin, Germany, June 2010. Springer.
123. Agnes Nakakawa, Patrick van Bommel, and Henderik A. Proper. Quality enhancement in creating enterprise architecture: Relevance of academic models in practice. In Henderik A. Proper, A. Frank Harmsen, and Jan L. G. Dietz, editors, *Advances in Enterprise Engineering II – First NAF Academy Working Conference on Practice-Driven Research on Enterprise Transformation, PRET 2009, held at CAiSE 2009, Amsterdam, The Netherlands, June 11, 2009. Proceedings*, volume 28 of *Lecture Notes in Business Information Processing*, pages 109–133, Berlin, Germany, June 2009. Springer.
124. A. Frank Harmsen, Henderik A. Proper, and Nicolette Kok. Informed governance of enterprise transformations. In Henderik A. Proper, A. Frank Harmsen, and Jan L. G. Dietz, editors, *Advances in Enterprise Engineering II – First NAF Academy Working Conference on Practice-Driven Research on Enterprise Transformation, PRET 2009, held at CAiSE 2009, Amsterdam, The Netherlands, June 11, 2009. Proceedings*, volume 28 of *Lecture Notes in Business Information Processing*, pages 155–180, Berlin, Germany, June 2009. Springer.
125. Denis Ssebuggwawo, Stijn J. B. A. Hoppenbrouwers, and Henderik A. Proper. Evaluating modeling sessions using the analytic hierarchy process. In Anne Persson and Janis Stirna, editors, *The Practice of Enterprise Modeling, Second IFIP WG 8.1 Working Conference, PoEM 2009, Stockholm, Sweden, November 18-19, 2009. Proceedings*, volume 39 of *Lecture Notes in Business Information Processing*, pages 69–83, Berlin, Germany, November 2009. Springer.
126. Denis Ssebuggwawo, Stijn J. B. A. Hoppenbrouwers, and Henderik A. Proper. Analyzing a collaborative modeling game. In Eric S. K. Yu, Johann Eder, and Colette Rolland, editors, *Proceedings of the Forum at the CAiSE 2009 Conference, Amsterdam, The Netherlands, 8-12 June 2009*, volume 453 of *CEUR Workshop Proceedings*, pages 73–78, Aachen, Germany, 2009. CEUR-WS.org.
127. Denis Ssebuggwawo, Stijn J. B. A. Hoppenbrouwers, and Henderik A. Proper. Group decision making in collaborative modeling: Aggregating individual preferences with AHP. In *Digital Proceedings of the 4th SIKS Conference in Enterprise Information Systems (EIS 2009)*, Ravenstein, The Netherlands, 2009.
128. Henderik A. Proper and Martin Op ’t Land. Evolving the enterprise engineering framework. In Geert Poels and Hans Weigand, editors, *Proceedings of the 4th International Workshop on Value Modeling and Business Ontologies, VMBO 2009, Amsterdam, The Netherlands, December, 2009, 2009*.
129. Agnes Nakakawa, Patrick van Bommel, and Henderik A. Proper. Requirements for collaborative decision making in enterprise architecture. In *4th SIKS-BENAIIS Conference on Enterprise Information Systems (EIS2009)*, Nijmegen, The Netherlands, 2009.
130. Josephine Nabukenya, Patrick van Bommel, and Henderik A. Proper. A theory-driven design approach to collaborative policy making processes. In *42st Hawaii International International Conference on Systems Science (HICSS-42 2009), Proceedings (CD-ROM and Online), 5-8 January 2009, Waikoloa, Big Island, HI, USA*, pages 1–10, Washington DC, USA, 2009. IEEE Computer Society.

131. Denis Ssebuggwawo, Stijn J. B. A. Hoppenbrouwers, and Henderik A. Proper. Interactions, goals and rules in a collaborative modelling session. In Anne Persson and Janis Stirna, editors, *The Practice of Enterprise Modeling, Second IFIP WG 8.1 Working Conference, PoEM 2009, Stockholm, Sweden, November 18-19, 2009. Proceedings*, volume 39 of *Lecture Notes in Business Information Processing*, pages 54–68, Berlin, Germany, November 2009. Springer.
132. Marc M. Lankhorst, Henderik A. Proper, and Henk Jonkers. The architecture of the ArchiMate language. In Terry A. Halpin, John Krogstie, Selmin Nurcan, Henderik A. Proper, Rainer Schmidt, Pnina Soffer, and Roland Ukor, editors, *Enterprise, Business-Process and Information Systems Modeling – 10th International Workshop, BPMDS 2009, and 14th International Conference, EMMSAD 2009, held at CAiSE 2009, Amsterdam, The Netherlands, June 8-9, 2009. Proceedings*, volume 29 of *Lecture Notes in Business Information Processing*, pages 367–380, Berlin, Germany, June 2009. Springer.
133. Fiona P. Tulinayo, Stijn J. B. A. Hoppenbrouwers, Patrick van Bommel, and Henderik A. Proper. Integrating system dynamics with object-role modeling and petri nets. In Jan Mendling, Stefanie Rinderle-Ma, and Werner Esswein, editors, *Enterprise Modelling and Information Systems Architectures: Proceedings of the 3rd International Workshop on Enterprise Modelling and Information Systems Architectures; Ulm, Germany, September 10-11, 2009*, volume P-152 of *Lecture Notes in Informatics*, pages 41–54, Bonn, Germany, June 2009. Gesellschaft für Informatik.
134. Fiona P. Tulinayo, Stijn J. B. A. Hoppenbrouwers, and Henderik A. Proper. Integrating system dynamics with object-role modeling. In Janis Stirna and Anne Persson, editors, *The Practice of Enterprise Modeling, First IFIP WG 8.1 Working Conference, PoEM 2008, Stockholm, Sweden, November 12-13, 2008. Proceedings*, volume 15 of *Lecture Notes in Business Information Processing*, pages 77–85, Berlin, Germany, November 2008. Springer.
135. Claudia Steghuis and Henderik A. Proper. Competencies and responsibilities of enterprise architects – A jack-of-all-trades? In Jan L. G. Dietz, Antonia Albani, and Joseph Barjis, editors, *Advances in Enterprise Engineering I – 4th International Workshop CIAO! And 4th International Workshop EOMAS, Held at CAiSE 2008, Montpellier, France, June 16-17, 2008. Proceedings*, volume 10 of *Lecture Notes in Business Information Processing*, pages 93–107, Berlin, Germany, 2008. Springer.
136. Sietse J. Overbeek, Patrick van Bommel, and Henderik A. Proper. Information systems engineering supported by cognitive matchmaking. In Zohra Bellahsene and Michel Léonard, editors, *Advanced Information Systems Engineering, 20th International Conference, CAiSE 2008, Montpellier, France, June 16-20, 2008, Proceedings*, volume 5074 of *Lecture Notes in Computer Science*, pages 495–509, Berlin, Germany, June 2008. Springer.
137. Josephine Nabukenya, Patrick van Bommel, and Henderik A. Proper. Repeatable collaboration processes for mature organizational policy making. In Robert O. Briggs, Pedro Antunes, Gert-Jan de Vreede, and Aaron Read, editors, *Groupware: Design, Implementation, and Use, 14th International Workshop, CRIWG 2008, Omaha, NE, USA, September 14-18, 2008, Revised Selected Papers*, volume 5411 of *Lecture Notes in Computer Science*, pages 217–232, Berlin, Germany, July 2008. Springer.
138. Patrick van Bommel, Stijn J. B. A. Hoppenbrouwers, Henderik A. Proper, and Theo P. van der Weide. QoMo: A modelling process quality framework based on SEQUAL. In Henderik A. Proper, Terry A. Halpin, and John Krogstie, editors, *Proceedings of the 12th International Workshop on Exploring Modeling Methods for Systems Analysis and Design, EMMSAD 2008, held in conjunction with the 19th Conference on Advanced Information Systems (CAiSE 2007), Trondheim, Norway, 11-15 June, 2007*, volume 365 of *CEUR Workshop Proceedings*, pages 112–121, Aachen, Germany, June 2008. CEUR-WS.org.

139. Josephine Nabukenya, Patrick van Bommel, and Henderik A. Proper. Towards a method for collaborative policy making. In Jolita Ralyté, Sjaak Brinkkemper, and Brian Henderson-Sellers, editors, *Poster Proceedings of the IFIP WG8.1 Working Conference on Situational Method Engineering: Fundamentals and Experiences (ME07)*, Geneva, Switzerland, number Technical Report UU-CS-2007-026, pages 4–12, Department of Information and Computing Sciences, Utrecht University, September 2007.
140. Patrick van Bommel, Pieter G. Buitenhuis, Stijn J. B. A. Hoppenbrouwers, and Henderik A. Proper. Architecture principles – A regulative perspective on enterprise architecture. In Manfred Reichert, Stefan Strecker, and Klaus Turowski, editors, *Enterprise Modelling and Information Systems Architectures – Concepts and Applications , Proceedings of the 2nd International Workshop on Enterprise Modelling and Information Systems Architectures (EMISA'07)*, St. Goar, Germany, October 8-9, 2007, volume P-119 of *Lecture Notes in Informatics*, pages 47–60, Bonn, Germany, October 2007. Gesellschaft für Informatik.
141. Sietse J. Overbeek, Patrick van Bommel, Henderik A. Proper, and Daan B. B. Rijsenbrij. Matching cognitive characteristics of actors and tasks. In Robert Meersman and Zahir Tari, editors, *On the Move to Meaningful Internet Systems 2007: CoopIS, DOA, ODBASE, GADA, and IS, OTM Confederated International Conferences CoopIS, DOA, ODBASE, GADA, and IS 2007, Vilamoura, Portugal, November 25-30, 2007, Proceedings, Part I*, volume 4803 of *Lecture Notes in Computer Science*, pages 371–380, Berlin, Germany, November 2007. Springer.
142. Sietse J. Overbeek, Patrick van Bommel, Henderik A. Proper, and Daan B. B. Rijsenbrij. Characterizing knowledge intensive tasks indicating cognitive requirements; Scenarios in methods for specific tasks. In Jolita Ralyté, Sjaak Brinkkemper, and Brian Henderson-Sellers, editors, *Situational Method Engineering: Fundamentals and Experiences, Proceedings of the IFIP WG 8.1 Working Conference, 12-14 September 2007, Geneva, Switzerland*, volume 244 of *IFIP*, pages 100–114, Berlin, Germany, September 2007. Springer.
143. Sietse J. Overbeek, Patrick van Bommel, Henderik A. Proper, and Daan B. B. Rijsenbrij. Visualizing formalisms with ORM models. In Robert Meersman, Zahir Tari, and Pilar Herrero, editors, *On the Move to Meaningful Internet Systems 2007: OTM 2007 Workshops, OTM Confederated International Workshops and Posters, AWeSOMe, CAMS, OTM Academy Doctoral Consortium, MONET, OnToContent, ORM, PerSys, PPN, RDDS, SSWS, and SWWS 2007, Vilamoura, Portugal, November 25-30, 2007, Proceedings, Part I*, volume 4805 of *Lecture Notes in Computer Science*, pages 709–718, Berlin, Germany, November 2007. Springer.
144. Martin Op 't Land and Henderik A. Proper. Impact of principles on enterprise engineering. In Hubert Österle, Joachim Schelp, and Robert Winter, editors, *Proceedings of the Fifteenth European Conference on Information Systems, ECIS 2007, St. Gallen, Switzerland, 2007*, volume 1 of *Relevant Rigour – Rigorous Relevance : Proceedings : 15th European Conference on Information Systems (ECIS 2007)*, St. Gallen, Switzerland, June 2007, pages 1965–1976, St. Gallen, Switzerland, June 2007. AIS.
145. Sietse J. Overbeek, Patrick van Bommel, Henderik A. Proper, and Daan B. B. Rijsenbrij. Knowledge discovery and exchange – Towards a web-based application for discovery and exchange of revealed knowledge. In Joaquim Filipe, José A. Moinhos Cordeiro, Bruno Encarnação, and Vitor Pedrosa, editors, *WEBIST 2007 – Proceedings of the Third International Conference on Web Information Systems and Technologies, Volume WIA, Barcelona, Spain, March 3-6, 2007*, volume WIA, pages 26–34, Setúbal, Portugal, March 2007. INSTICC Press.
146. Josephine Nabukenya, Patrick van Bommel, and Henderik A. Proper. Collaborative IT policy-making as a means of achieving business-IT alignment. In Barbara Pernici and J. A.

Gulla, editors, *Proceedings of the Workshop on Business-IT Alignment and Interoperability (BUSITAL 2007), Held in Conjunction with the 19th Conference on Advanced Information Systems (CAiSE 2007), Trondheim, Norway*, pages 461–468. Tapir Academic Press, Trondheim, Norway, 2007.

147. Bas van Gils, Henderik A. Proper, Patrick van Bommel, and Theo P. van der Weide. Quality makes the information market. In Robert Meersman and Zahir Tari, editors, *On the Move to Meaningful Internet Systems 2006: CoopIS, DOA, GADA, and ODBASE, OTM Confederated International Conferences, CoopIS, DOA, GADA, and ODBASE 2006, Montpellier, France, October 29 – November 3, 2006. Proceedings, Part I*, volume 4275 of *Lecture Notes in Computer Science*, pages 345–359, Berlin, Germany, October/November 2006. Springer.
148. Patrick van Bommel, Stijn J. B. A. Hoppenbrouwers, Henderik A. Proper, and Theo P. van der Weide. Giving meaning to enterprise architectures: Architecture principles with ORM and ORC. In Robert Meersman, Zahir Tari, and Pilar Herrero, editors, *On the Move to Meaningful Internet Systems 2006: OTM 2006 Workshops, OTM Confederated International Workshops and Posters, AWeSOMe, CAMS, COMINF, IS, KSinBIT, MIOS-CIAO, MONET, OnToContent, ORM, PerSys, OTM Academy Doctoral Consortium, RDDS, SWWS, and SeBGIS 2006, Montpellier, France, October 29 – November 3, 2006. Proceedings, Part II*, volume 4278 of *Lecture Notes in Computer Science*, pages 1138–1147, Berlin, Germany, October 2006. Springer.
149. Betsy Pepels, Marinus J. Plasmeijer, and Henderik A. Proper. Fact-oriented modeling from a programming language designer’s perspective. In Robert Meersman, Zahir Tari, and Pilar Herrero, editors, *On the Move to Meaningful Internet Systems 2006: OTM 2006 Workshops, OTM Confederated International Workshops and Posters, AWeSOMe, CAMS, COMINF, IS, KSinBIT, MIOS-CIAO, MONET, OnToContent, ORM, PerSys, OTM Academy Doctoral Consortium, RDDS, SWWS, and SeBGIS 2006, Montpellier, France, October 29 – November 3, 2006. Proceedings, Part II*, volume 4278 of *Lecture Notes in Computer Science*, pages 1170–1180, Berlin, Germany, October 2006. Springer.
150. Patrick van Bommel, Stijn J. B. A. Hoppenbrouwers, Henderik A. Proper, and Theo P. van der Weide. Exploring modelling strategies in a meta-modelling context. In Robert Meersman, Zahir Tari, and Pilar Herrero, editors, *On the Move to Meaningful Internet Systems 2006: OTM 2006 Workshops, OTM Confederated International Workshops and Posters, AWeSOMe, CAMS, COMINF, IS, KSinBIT, MIOS-CIAO, MONET, OnToContent, ORM, PerSys, OTM Academy Doctoral Consortium, RDDS, SWWS, and SeBGIS 2006, Montpellier, France, October 29 – November 3, 2006. Proceedings, Part II*, volume 4278 of *Lecture Notes in Computer Science*, pages 1128–1137, Berlin, Germany, October 2006. Springer.
151. Henderik A. Proper and Theo P. van der Weide. Modelling as selection of interpretation. In Heinrich C. Mayr and Ruth Breu, editors, *Modellierung 2006, 22.-24. März 2006, Innsbruck, Tirol, Austria, Proceedings*, volume P-82 of *Lecture Notes in Informatics*, pages 223–232, Bonn, Germany, March 2006. Gesellschaft für Informatik.
152. Stijn J. B. A. Hoppenbrouwers, Leonie Lindeman, and Henderik A. Proper. Capturing modeling processes – Towards the MoDial modeling laboratory. In Robert Meersman, Zahir Tari, and Pilar Herrero, editors, *On the Move to Meaningful Internet Systems 2006: OTM 2006 Workshops, OTM Confederated International Workshops and Posters, AWeSOMe, CAMS, COMINF, IS, KSinBIT, MIOS-CIAO, MONET, OnToContent, ORM, PerSys, OTM Academy Doctoral Consortium, RDDS, SWWS, and SeBGIS 2006, Montpellier, France, October 29 – November 3, 2006. Proceedings, Part II*, volume 4278 of *Lecture Notes in Computer Science*, pages 1242–1252, Berlin, Germany, October 2006. Springer.
153. Henderik A. Proper, Patrick van Bommel, Stijn J. B. A. Hoppenbrouwers, and Theo P. van der Weide. A fundamental view on the act of modeling. In J. Kizza, J. Aisbett,



- A. Vince, and T. Wanyama, editors, *Advances in Systems Modelling and ICT Applications*, volume 2 of *Special Topics in Computing and ICT Research*, Kampala, Uganda, August 2006. Fountain Publishers, Kampala, Uganda.
154. Patrick van Bommel, Stijn J. B. A. Hoppenbrouwers, Henderik A. Proper, and Theo P. van der Weide. On the use of object-role modelling to model active domains. In John Krogstie, Terry A. Halpin, and Henderik A. Proper, editors, *Proceedings of the 11th International Workshop on Exploring Modeling Methods for Systems Analysis and Design, EMM-SAD 2006, held in conjunction with the 18th Conference on Advanced Information Systems (CAiSE 2006), Luxembourg, 5-9 June, 2006*, volume 364 of *CEUR Workshop Proceedings*, pages 473–484, Aachen, Germany, June 2006. CEUR-WS.org.
  155. Henderik A. Proper, Stijn J. B. A. Hoppenbrouwers, and Theo P. van der Weide. A fact-oriented approach to activity modeling. In Robert Meersman, Zahir Tari, Pilar Herrero, Gonzalo Méndez, Lawrence Cavedon, David B. Martin, Annika Hinze, George Buchanan, María S. Pérez, Víctor Robles, Jan Humble, Antonia Albani, Jan L. G. Dietz, Hervé Panetto, Monica Scannapieco, Terry A. Halpin, Peter Spyns, Johannes Maria Zaha, Esteban Zimányi, Emmanuel Stefanakis, Tharam S. Dillon, Ling Feng, Mustafa Jarrar, Jos Lehmann, Aldo de Moor, Erik Duval, and Lora Aroyo, editors, *On the Move to Meaningful Internet Systems 2005: OTM 2005 Workshops, OTM Confederated International Workshops and Posters, AWeSOMe, CAMS, GADA, MIOS+INTEROP, ORM, PhDS, SeBGIS, SWWS, and WOSE 2005, Agia Napa, Cyprus, October 31 – November 4, 2005, Proceedings*, volume 3762 of *Lecture Notes in Computer Science*, pages 666–675, Berlin, Germany, October/November 2005. Springer.
  156. Stijn J. B. A. Hoppenbrouwers, Henderik A. Proper, and Theo P. van der Weide. Towards explicit strategies for modelling. In Terry A. Halpin, Keng Siau, and John Krogstie, editors, *Proceedings of the 10th International Workshop on Exploring Modeling Methods for Systems Analysis and Design, EMMSAD 2005, held in conjunction with the 17th Conference on Advanced Information Systems (CAiSE 2005), Porto, Portugal, 13-14 June, 2005*, volume 363 of *CEUR Workshop Proceedings*, pages 485–492, Aachen, Germany, 2005. CEUR-WS.org.
  157. Bas van Gils, Henderik A. Proper, Patrick van Bommel, and Paul T. de Vrieze. Transformation selection for aptness-based web retrieval. In Hugh. E. Williams and Gillian Dobbie, editors, *Database Technologies 2005, Proceedings of the Sixteenth Australasian Database Conference, ADC 2005, Newcastle, Australia, January 31st – February 3rd 2005*, volume 39 of *Conferences in Research and Practice in Information Technology Series*, pages 115–124, Sydney, New South Wales, Australia, January 2005. Australian Computer Society.
  158. Patrick van Bommel, Bas van Gils, Henderik A. Proper, Eric D. Schabell, Mario van Vliet, and Theo P. van der Weide. Towards an information market paradigm. In Orlando Belo, Johann Eder, João Falcão e Cunha, and Óscar Pastor López, editors, *The 17th Conference on Advanced Information Systems Engineering (CAiSE '05), Porto, Portugal, 13-17 June, 2005, CAiSE Forum, Short Paper Proceedings*, volume 161 of *CEUR Workshop Proceedings*, pages 27–32, Aachen, Germany, June 2005. CEUR-WS.org.
  159. Patrick van Bommel, Bas van Gils, Henderik A. Proper, Mario van Vliet, and Theo P. van der Weide. The information market: Its basic concepts and its challenges. In Anne H. H. Ngu, Masaru Kitsuregawa, E. J. Neuhold, Jen-Yao Chung, and Quan Z. Sheng, editors, *Web Information Systems Engineering – WISE 2005, 6th International Conference on Web Information Systems Engineering, New York, NY, USA, November 20-22, 2005, Proceedings*, volume 3806 of *Lecture Notes in Computer Science*, pages 577–583, Berlin, Germany, November 2005. Springer.
  160. Henderik A. Proper and Theo P. van der Weide. Schema equivalence as a counting problem. In Robert Meersman, Zahir Tari, Pilar Herrero, Gonzalo Méndez, Lawrence Cave-

- don, David B. Martin, Annika Hinze, George Buchanan, María S. Pérez, Víctor Robles, Jan Humble, Antonia Albani, Jan L. G. Dietz, Hervé Panetto, Monica Scannapieco, Terry A. Halpin, Peter Spyns, Johannes Maria Zaha, Esteban Zimányi, Emmanuel Stefanakis, Tharam S. Dillon, Ling Feng, Mustafa Jarrar, Jos Lehmann, Aldo de Moor, Erik Duval, and Lora Aroyo, editors, *On the Move to Meaningful Internet Systems 2005: OTM 2005 Workshops, OTM Confederated International Workshops and Posters, AWeSOMe, CAMS, GADA, MIOS+INTEROP, ORM, PhDS, SeBGIS, SWWS, and WOSE 2005, Agia Napa, Cyprus, October 31 – November 4, 2005, Proceedings*, volume 3762 of *Lecture Notes in Computer Science*, pages 730–739, Berlin, Germany, October/November 2005. Springer.
161. Stijn J. B. A. Hoppenbrouwers, Henderik A. Proper, and Theo P. van der Weide. Formal modelling as a grounded conversation. In G. Goldkuhl, M. Lind, and S. Haraldson, editors, *Proceedings of the 10th International Working Conference on the Language Action Perspective on Communication Modelling (LAP'05)*, pages 139–155, Kiruna, Sweden, June 2005. Linköpings Universitet and Hogskolan I Boras, Linköping, Sweden.
  162. Stijn J. B. A. Hoppenbrouwers, Henderik A. Proper, and Theo P. van der Weide. Fact calculus: Using ORM and Lisa-D to reason about domains. In Robert Meersman, Zahir Tari, Pilar Herrero, Gonzalo Méndez, Lawrence Cavedon, David B. Martin, Annika Hinze, George Buchanan, María S. Pérez, Víctor Robles, Jan Humble, Antonia Albani, Jan L. G. Dietz, Hervé Panetto, Monica Scannapieco, Terry A. Halpin, Peter Spyns, Johannes Maria Zaha, Esteban Zimányi, Emmanuel Stefanakis, Tharam S. Dillon, Ling Feng, Mustafa Jarrar, Jos Lehmann, Aldo de Moor, Erik Duval, and Lora Aroyo, editors, *On the Move to Meaningful Internet Systems 2005: OTM 2005 Workshops, OTM Confederated International Workshops and Posters, AWeSOMe, CAMS, GADA, MIOS+INTEROP, ORM, PhDS, SeBGIS, SWWS, and WOSE 2005, Agia Napa, Cyprus, October 31 – November 4, 2005, Proceedings*, volume 3762 of *Lecture Notes in Computer Science*, pages 720–729, Berlin, Germany, October/November 2005. Springer.
  163. Stijn J. B. A. Hoppenbrouwers, Henderik A. Proper, and Theo P. van der Weide. Understanding the requirements on modelling techniques. In Óscar Pastor López and João Falcão e Cunha, editors, *Advanced Information Systems Engineering, 17th International Conference, CAiSE 2005, Porto, Portugal, June 13-17, 2005, Proceedings*, volume 3520 of *Lecture Notes in Computer Science*, pages 262–276, Berlin, Germany, June 2005. Springer.
  164. Stijn J. B. A. Hoppenbrouwers, Henderik A. Proper, and Theo P. van der Weide. A fundamental view on the process of conceptual modeling. In Lois M. L. Delcambre, Christian Kop, Heinrich C. Mayr, John Mylopoulos, and Óscar Pastor López, editors, *Conceptual Modeling – ER 2005, 24th International Conference on Conceptual Modeling, Klagenfurt, Austria, October 24-28, 2005, Proceedings*, volume 3716 of *Lecture Notes in Computer Science*, pages 128–143, Berlin, Germany, June 2005. Springer.
  165. Henderik A. Proper, Alexander A. Verrijn-Stuart, and Stijn J. B. A. Hoppenbrouwers. On utility-based selection of architecture-modelling concepts. In Sven Hartmann and Markus Stumptner, editors, *Conceptual Modelling 2005, Second Asia-Pacific Conference on Conceptual Modelling (APCCM2005), Newcastle, NSW, Australia, January-February 2005*, volume 43 of *Conferences in Research and Practice in Information Technology Series*, pages 25–34, Sydney, New South Wales, Australia, January 2005. Australian Computer Society.
  166. Bas van Gils, Henderik A. Proper, Patrick van Bommel, and Theo P. van der Weide. Transformations in information supply. In Janis Grundspenkis and Marite Kirikova, editors, *CAiSE'04 Workshops in connection with The 16th Conference on Advanced Information Systems Engineering, Riga, Latvia, 7-11 June, 2004, Knowledge and Model Driven Information Systems Engineering for Networked Organisations, Proceedings, Vol. 1*, volume 3, pages 60–78, Riga, Latvia, June 2004. Faculty of Computer Science and Information Technology, Riga Technical University, Riga, Latvia.

167. Araminte I. Bleeker, Henderik A. Proper, and Stijn J. B. A. Hoppenbrouwers. The role of concept management in system development – A practical and a theoretical perspective. In Jānis Grabis, Anne Persson, and Janis Stirna, editors, *Forum Proceedings of the 16th Conference on Advanced Information Systems 2004 (CAiSE 2004)*, Riga, Latvia, number NIII-R0330, pages 73–82, Riga, Latvia, June 2004. Faculty of Computer Science and Information Technology.
168. Henderik A. Proper and Stijn J. B. A. Hoppenbrouwers. Concept evolution in information system evolution. In J. Gravis, Anne Persson, and Janis Stirna, editors, *Forum Proceedings of the 16th Conference on Advanced Information Systems 2004 (CAiSE 2004)*, Riga, Latvia, Riga, Latvia, pages 63–72, Riga, Latvia, June 2004. Faculty of Computer Science and Information Technology.
169. Stijn J. B. A. Hoppenbrouwers and Henderik A. Proper. A communicative perspective on second order information systems. In G. E. Lasker, editor, *Proceedings of the 16th International Conference on System Research, Informatics and Cybernetics, Baden-Baden, Germany*. IIAS, 2004.
170. Henderik A. Proper, Araminte I. Bleeker, and Stijn J. B. A. Hoppenbrouwers. Object-role modeling as a domain modeling approach. In Janis Grundspenkis and Marite Kirikova, editors, *CAiSE'04 Workshops in connection with The 16th Conference on Advanced Information Systems Engineering, Riga, Latvia, 7-11 June, 2004, Knowledge and Model Driven Information Systems Engineering for Networked Organisations, Proceedings, Vol. 1*, volume 3, pages 317–328, Riga, Latvia, June 2004. Faculty of Computer Science and Information Technology, Riga Technical University, Riga, Latvia.
171. Gert E. Veldhuijzen van Zanten, Stijn J. B. A. Hoppenbrouwers, and Henderik A. Proper. System development as a rational communicative process. In N. Callaos, D. Farsi, M. Eshagian-Wilner, T. Hanratty, and N. Rish, editors, *Proceedings of the 7th World Multiconference on Systemics, Cybernetics and Informatics*, volume XVI, pages 126–130, July 2003.
172. Bas van Gils, Henderik A. Proper, and Patrick van Bommel. Towards a general theory for information supply. In Constantine Stephanidis, editor, *Human-Computer Interaction: Universal Access in HCI: Inclusive Design in the Information Society, Proceedings of HCI International 2003 (the 10th International Conference on Human-Computer Interaction)*, HCI 2003, Crete, Greece, June 22-27, 2003, Volume 4, pages 720–724. Lawrence Erlbaum, 2003.
173. Bas van Gils, Henderik A. Proper, Patrick van Bommel, and Eric D. Schabell. Profile-based retrieval on the world wide web. In Paul M. E. de Bra, editor, *Proceedings of the Conferentie Informatiewetenschap (INFWET2003)*, pages 91–98, 2003.
174. Henderik A. Proper. Architecture-driven information system development – Toward a framework for understanding. In N. Callaos, D. Farsi, M. Eshagian-Wilner, T. Hanratty, and N. Rish, editors, *Proceedings of the 7th World Multiconference on Systemics, Cybernetics and Informatics*, volume XVI, pages 144–149, July 2003.
175. Henk Jonkers, René van Buuren, Farhad Arbab, Frank S. de Boer, Marcello M. Bonsangue, Hans Bosma, Hugo W. L. ter Doest, Luuk Groenewegen, Juan Guillen Scholten, Stijn J. B. A. Hoppenbrouwers, Maria-Eugenia Iacob, Wil Janssen, Marc M. Lankhorst, Diederik van Leeuwen, Henderik A. Proper, Andries W. Stam, Leon W. N. van der Torre, and Gert E. Veldhuijzen van Zanten. Towards a language for coherent enterprise architecture descriptions. In M. Steen and Barrett R. Bryant, editors, *7th International Enterprise Distributed Object Computing Conference (EDOC 2003)*, 16-19 September 2003, Brisbane, Australia, *Proceedings*, pages 28–39, Washington DC, USA, September 2003. IEEE Computer Society.

176. Henderik A. Proper and Theo P. van der Weide. Information coverage – Incrementally satisfying a searcher’s information need. In Constantine Stephanidis, editor, *Universal Access In HCI: Towards an Information Society for All, Proceedings of HCI International ’2001 (the 9th International Conference on Human-Computer Interaction), New Orleans, USA, August 5-10, 2001, Volume 3*, pages 719–723, Hillsdale, New Jersey, USA, August 2001. Lawrence Erlbaum.
177. Andries W. Stam and Henderik A. Proper. Improving architectures by simulation and animation. In Daan B. B. Rijsenbrij, editor, *Proceedings of the Second National Architecture Congress*, November 2000.
178. Henderik A. Proper, Hans Bosma, Stijn J. B. A. Hoppenbrouwers, and Rik D. T. Janssen. Towards an information systems engineering body of knowledge. In Daan B. B. Rijsenbrij, editor, *Proceedings of the Second National Architecture Congress*, November 2000.
179. Henderik A. Proper, Hans Bosma, Stijn J. B. A. Hoppenbrouwers, and Rik D. T. Janssen. An alignment perspective on architecture-driven information systems engineering. In Daan B. B. Rijsenbrij, editor, *Proceedings of the Second National Architecture Congress*, November 2000.
180. Allistair P. Barros, Arthur H. M. ter Hofstede, and Henderik A. Proper. Essential principles for workflow modelling effectiveness. In Guy G. Gable and Ron A. G. Webber, editors, *The Third Pacific Asia Conference on Information Systems, PACIS 1997, Brisbane, Australia, April, 1-5, 1997*, pages 137–147, Brisbane, Australia, April 1997. AISeL.
181. Allistair P. Barros, Arthur H. M. ter Hofstede, and Henderik A. Proper. Towards real-scale business transaction workflow modelling. In Antoni Olivé and Joan Antoni Pastor, editors, *Advanced Information Systems Engineering, 9th International Conference CAiSE’97, Barcelona, Catalonia, Spain, June 16-20, 1997, Proceedings*, volume 1250 of *Lecture Notes in Computer Science*, pages 437–450, Berlin, Germany, June 1997. Springer.
182. Arthur H. M. ter Hofstede, Henderik A. Proper, and Theo P. van der Weide. Exploring fact verbalisations for conceptual query formulation. In Reind P. van der Riet, Hans F. M. Burg, and Bram J. van der Vos, editors, *Proceedings of the Second International Workshop on Applications of Natural Language to Databases (NLDB’96), Amsterdam, The Netherlands*, pages 40–51, Amsterdam, The Netherlands, June 1996. IOS Press.
183. Arthur H. M. ter Hofstede, Henderik A. Proper, and Theo P. van der Weide. Computer supported query formulation in an evolving context. In Ron Sacks-Davis and Justin Zobel, editors, *Proceedings of the Sixth Australasian Database Conference, Glenelg/Adelaide, South Australia, 1995*, volume 17 of *Australian Computer Science Communications*, pages 188–202, Adelaide, Australia, January 1995. University of Melbourne, Melbourne, Australia.
184. Terry A. Halpin and Henderik A. Proper. Database schema transformation and optimization. In Mike P. Papazoglou, editor, *OOER’95: Object-Oriented and Entity-Relationship Modelling, 14th International Conference, Gold Coast, Australia, December 12-15, 1995, Proceedings*, volume 1021 of *Lecture Notes in Computer Science*, pages 191–203, Berlin, Germany, December 1995. Springer.
185. Arthur H. M. ter Hofstede, Henderik A. Proper, and Theo P. van der Weide. Supporting information disclosure in an evolving environment. In Dimitris Karagiannis, editor, *Database and Expert Systems Applications, 5th International Conference, DEXA ’94, Athens, Greece, September 7-9, 1994, Proceedings*, volume 856 of *Lecture Notes in Computer Science*, pages 433–444, Berlin, Germany, September 1994. Springer.
186. Arthur H. M. ter Hofstede, Henderik A. Proper, and Theo P. van der Weide. A conceptual language for the description and manipulation of complex information models. In G. Gupta,

editor, *Seventeenth Annual Computer Science Conference*, volume 16 of *Australian Computer Science Communications*, pages 157–167, Christchurch, New Zealand, January 1994. University of Canterbury.

187. Coen A. J. Burgers, Henderik A. Proper, and Theo P. van der Weide. An information system organized as stratified hypermedia. In Naveen Prakash, editor, *CISM94, International Conference on Information Systems and Management of Data*, pages 159–183, October 1994.
188. Sid J. Brouwer, Christo L. J. Martens, Gijsbert H. W. M. Bronts, and Henderik A. Proper. Towards a unifying object role modelling theory. In Terry A. Halpin and Robert Meersman, editors, *Proceedings of the First International Conference on Object-Role Modelling, ORM-1, Magnetic Island, Australia, 4-6 July 1994*, pages 259–273, Magnetic Island, Queensland, Australia, July 1994. Key Centre for Software Technology, University of Queensland, Brisbane, Australia.
189. Henderik A. Proper. Towards an integration of evolving information systems and CASE-Tools. In Sjaak Brinkkemper and A. Frank Harmsen, editors, *Proceedings of the Fourth Workshop on the next Generation of CASE Tools*, number 93–32 in *Memoranda informatica*, pages 23–33, Enschede, The Netherlands, June 1993. University of Twente.
190. Coen A. J. Burgers, Henderik A. Proper, and Theo P. van der Weide. Organising an information system as stratified hypermedia. In H. A. Wijshoff, editor, *Proceedings of the Computing Science in The Netherlands Conference*, pages 109–120, November 1993.
191. Arthur H. M. ter Hofstede, Henderik A. Proper, and Theo P. van der Weide. Data modelling in complex application domains. In Pericles Loucopoulos, editor, *Advanced Information Systems Engineering, CAiSE’92, Manchester, UK, May 12-15, 1992, Proceedings*, volume 593 of *Lecture Notes in Computer Science*, pages 364–377, Berlin, Germany, May 1992. Springer.
192. Eckhard D. Falkenberg, J. L. Han Oei, and Henderik A. Proper. Evolving information systems: Beyond temporal information systems. In A Min Tjoa and Isidro Ramos, editors, *Proceedings of the International Conference on Database and Expert Systems Applications, Valencia, Spain, 1992*, pages 282–287, Berlin, Germany, September 1992. Springer.

## 18.6 Technical Reports

1. Henderik A. Proper. Foundations of work-systems modeling. *CoRR*, abs/2401.16221, 2024.
2. Rik D. T. Janssen, Henderik A. Proper, Hans Bosma, Theodorus F. Verhoef, and Stijn J. B. A. Hoppenbrouwers. Developing an architecture method library. *CoRR*, abs/2105.07396, January 2021.
3. Henderik A. Proper. ConQuer-92 – The revised report on the conceptual query language LISA-D. *CoRR*, abs/2105.11926, 2021.
4. Henderik A. Proper. Work systems modeling library. *CoRR*, abs/2105.07419, 2021.
5. Henderik A. Proper. Da vinci – Architecture-driven business solutions. Technical report, Origin, Amsterdam, The Netherlands, 2021.
6. Henderik A. Proper and Terry A. Halpin. Conceptual schema optimisation – Database optimisation before sliding down the waterfall. *CoRR*, abs/2105.12647, July 2021.
7. Henderik A. Proper. Interactive query formulation using spider queries. *CoRR*, abs/2105.10349, 2021.

8. Henderik A. Proper. Interactive query formulation using query by navigation. *CoRR*, abs/2105.09562, 2021.
9. Henderik A. Proper. Interactive query formulation using point to point queries. *CoRR*, abs/2102.01411, 2021.
10. Henderik A. Proper and Theo P. van der Weide. A general theory for the evolution of application models – Full version. *CoRR*, abs/2105.11308, 2021.
11. Henderik A. Proper. Generating significant examples for conceptual schema validation. *CoRR*, abs/2105.09561, 2021.
12. Henderik A. Proper. An overview of computer supported query formulation. *CoRR*, abs/2105.09009, 2021.
13. Rik D. T. Janssen and Henderik A. Proper. A functionality taxonomy for document search engines. *CoRR*, abs/2105.12989, June 2021.
14. Peter D. Bruza and Henderik A. Proper. Discovering the information that is lost in our databases – Why bother storing data if you can’t find the information? *CoRR*, abs/2105.08716, 2021.
15. Allistair P. Barros, Arthur H. M. ter Hofstede, Henderik A. Proper, and Peter N. Creasy. Business suitability principles for workflow modelling. *CoRR*, abs/2105.12654, August 2021.
16. Allistair P. Barros, Arthur H. M. ter Hofstede, and Henderik A. Proper. Towards an integrated conceptual modelling kernel for business transaction workflows. *CoRR*, abs/2105.15139, November 2021.
17. T. A. Barrett and Henderik A. Proper. Component based solutions under architecture. *CoRR*, abs/2105.08702, 2021.
18. Aakash Ahmad, Madhushi Niluka Bandara, Mahdi Fahmideh, Henderik A. Proper, Giancarlo Guizzardi, and Jeffrey Soar. An overview of ontologies and tool support for COVID-19 analytics. *CoRR*, abs/2110.06397, 2021.
19. Henderik A. Proper. *Grounded Enterprise Modelling*. DaVinci Series. Nijmegen Institute for Information and Computing Sciences, Radboud University, Nijmegen, The Netherlands, 2008.
20. Patrick van Bommel, Henderik A. Proper, and Theo P. van der Weide. Structured modelling with uncertainty. Technical Report ICIS-R07022, Radboud University, Nijmegen, The Netherlands, 2007.
21. Josephine Nabukenya, Gert-Jan de Vreede, and Henderik A. Proper. Research methods for collaboration engineering: An assessment of applicability using collaborative policy-making example. Technical Report ICIS-R07010, Radboud University, Nijmegen, The Netherlands, May 2007.
22. Bas van Gils and Henderik A. Proper. Fundamentals of quality on the web. Technical Report ICIS-R06029, Radboud University, Nijmegen, The Netherlands, June 2006.
23. Sietse J. Overbeek, Daan B. B. Rijsenbrij, and Henderik A. Proper. Sophia: Towards a personal digital workspace for knowledge workers. In N. Janardhan Rao, editor, *Knowledge Workers: Issues and Perspectives*, chapter 15, pages 246–265. ICFAI University Press, Hyderabad, India, December 2006.
24. Bas van Gils, Henderik A. Proper, Patrick van Bommel, and Theo P. van der Weide. Aptness based search on the web. Technical Report ICIS-R06005, Radboud University, Nijmegen, The Netherlands, November 2005.

25. Eric D. Schabell, Henderik A. Proper, and Theo P. van der Weide. IRIS publication management system – The first steps towards realization. Technical Report ICIS-R06008, Radboud University, Nijmegen, The Netherlands, December 2005.
26. Henderik A. Proper and Theo P. van der Weide. The DaVinci series. Technical report, Nijmegen Institute for Information and Computing Sciences, Radboud University, Nijmegen, The Netherlands, 2005.
27. Stijn J. B. A. Hoppenbrouwers, Theo P. van der Weide, and Henderik A. Proper. Dealing with uncertainty in information modelling. Technical Report ICIS-R05013, Institute for Information and Computing Sciences, Radboud University, Nijmegen, The Netherlands, 2005.
28. Stijn J. B. A. Hoppenbrouwers, Henderik A. Proper, and Theo P. van der Weide. Fundamental understanding of the act of modelling. Technical Report ICIS-R05006, Radboud University, Nijmegen, The Netherlands, January 2005.
29. Henderik A. Proper. Architecture-driven information systems engineering. Technical report, Nijmegen Institute for Information and Computing Sciences, Radboud University, Nijmegen, The Netherlands, 2004.
30. Henderik A. Proper and Stijn J. B. A. Hoppenbrouwers. Information system evolution as language evolution. Technical Report NIII-R0205, Institute for Information and Computing Sciences, Radboud University, Nijmegen, The Netherlands, 2003.
31. Henderik A. Proper. Introduction to formal notations. Technical report, Asymetrix Research Laboratory, University of Queensland, Brisbane, Australia, 1994.
32. Arthur H. M. ter Hofstede, Henderik A. Proper, and Theo P. van der Weide. A note on schema equivalence. Technical Report 92–30, Department of Information Systems, University of Nijmegen, Nijmegen, The Netherlands, 1992.
33. Eckhard D. Falkenberg, J. L. Han Oei, and Henderik A. Proper. A meta model for update in information systems. Technical Report 92–05, Department of Information Systems, University of Nijmegen, Nijmegen, The Netherlands, 1992.
34. J. L. Han Oei, Henderik A. Proper, and Eckhard D. Falkenberg. Modelling the evolution of information systems. Technical Report 92–36, Department of Information Systems, University of Nijmegen, Nijmegen, The Netherlands, 1992.