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## Understanding the heterogeneity of corporate entrepreneurship programs

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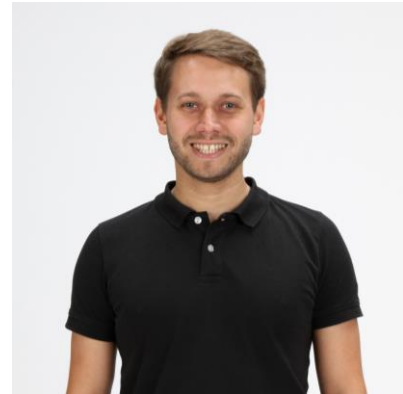
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## Curriculum Vitae

Christoph Johannes Selig was born on January 6, 1989, in Rottweil, Germany. After completing his apprenticeship as an industrial clerk, he started his studies at the University of Applied Sciences in Konstanz. He holds a Bachelor in Engineering and Management in Electro and Information Technology (B.Eng) and a Master in Industrial Engineering and Management (M.Eng).



In 2015, he started working as a research assistant at the IST Institute (Institut für Strategische Innovation und Technologie Management in Konstanz, Germany), focusing on innovation management, digital transformation, and corporate entrepreneurship. In 2016, he was admitted to the Ph.D. program of the Faculty of Science at the Leiden Institute of Advanced Computer Science.

Next to the research, he was responsible for building up the local startup initiative Kilometer1 at the University of Applied Sciences in Konstanz, which is now an established organization at the university. In 2018, he joined the founding team of Unisphere GmbH, a deep-tech startup that develops technologies to automate the flight operations of unmanned aircraft. Since 2021 he is working full-time in the management team of Unisphere, responsible for the commercial activities.

## Acknowledgments

On my way as a researcher, I have received diverse support from many persons, without whom my research and my personal development would not have come so far. In the following, I would like to express my gratitude to them. Starting with my supervising team, consisting of my first promotor Jaap van den Herik, my second promotor Guido Baltes and my co-promotor Roland Ortt, who guided and supported me with their complementary skills.

I am extremely grateful to Jaap van den Herik for the intense support in the final phase of the thesis and for the incredibly instructive time that has considerably improved my way of writing and structuring my knowledge. A special thank is owed to Guido Baltes for giving me the trust, freedom, and opportunity to set up the research on Corporate Entrepreneurship at the IST Institute with him, and for the many intense conversations and experiences that have led to the profound insights into managing CE programs and beyond. Furthermore, I express my gratitude to Roland Ortt for his support in formulating my thoughts and ideas and for the many intensive discussions that enabled me to better structure the findings, which eventually resulted in this dissertation.

Another second part of my Ph.D. career was the international graduate school NITIM (Networks, Information Technology, and Innovation Management), which gave me the opportunity to network and exchange ideas with researchers and other Ph.D. candidates across Europe and beyond. Here I would like to thank in particular Roland Ortt, Stefan Klein, Guido Baltes, Mauricio Camargo, Laurent Dupont, Claudia Bücken, Kristin Paetzold, Christina Weber, and all the other faculty members for their engagement which allowed me to have this wonderful opportunity of a European-wide graduate school.

During my time at the IST Institute, I had the opportunity to work with great colleagues with whom I could not only conduct research together, build up the Startup Initiative Kilometer1 of the University of Applied Sciences Konstanz, and manage various industry projects, but above all had an unforgettable time. The very exciting but also challenging time would have been hardly conceivable and in no way nearly enjoyable without them. Many thanks to Christina Ungerer, Tim Gasser, Christina Lang, Nicolai Heinzemann, and Rebecca Off, and all others from the Kilometer1 and IST Institute community who were part of this journey.

During the six years of my research, I was fortunate to meet many exciting people. In particular, I would like to mention Christoph Stettina and Tobias Gutmann, with whom I was

able to further develop my ideas through a variety of discussions and also had the pleasure of working on joint publications.

A special thanks to my partner Ramona, who supported me in the last phase of my dissertation with her love and kindness during this stressful time. I would also like to thank all my old and new friends who have accompanied me during this time and enriched my life. Last but not least, I would like to thank my family, who supported me from the very beginning as the first member of the family to follow an academic path. They were always behind me and made it possible to pursue my interests and career in this way.

# List of Publications

## 2021

van der Meer, R.; Selig, C. J.; Stettina C. J. (2021, June). Innovation Labs - a Taxonomy of four different Types. In: Proceedings, 2021 IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC). Virtual conference. Cardiff, United Kingdom, 6/21/2021 - 6/23/2021. Piscataway, NJ: IEEE, pp. 1–9.

Lang, C.; Selig, C. J.; Gutmann, T.; Ortt, R.; & Baltes, G. H. (2021, June). Guiding through the Fog: Understanding Differences in the Goal Setting of Corporate Entrepreneurship Programs. In: Proceedings, 2021 IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC). Virtual conference. Cardiff, United Kingdom, 6/21/2021 - 6/23/2021. Piscataway, NJ: IEEE, pp. 1–9.

## 2020

Selig, C. J., Lang, C., Off, R. & Baltes, G. H. (2020/04). Die Fantastischen Vier – Kernrollen des Corporate Entrepreneurship. In PERSONALquarterly. Haufe, pp. 27-33.

Selig, C. J., & Baltes, G. H. (2020, June). Strengthening Organizational Ambidexterity through Corporate Entrepreneurship Activities. In: Proceedings, 2020 IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC). Virtual conference. Cardiff, United Kingdom, 6/15/2020 - 6/17/2020. Piscataway, NJ: IEEE, pp. 1–9.

Heinzelmann, N., Selig, C. J., & Baltes, G. H. (2020, June). Critical Actions of and Synergies between Corporate Entrepreneurship Programs. In: Proceedings, 2020 IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC). Virtual conference. Cardiff, United Kingdom, 6/15/2020 - 6/17/2020. Piscataway, NJ: IEEE, pp. 1–9.

## 2019

Selig, Christoph J.; Gasser, Tim; Baltes, Guido H. (2019): Effects of Internal Corporate Venturing on the Transformation of Established Companies. In: Ronny Baierl, Judith Behrens und Alexander Brem (Hg.): Digital Entrepreneurship, Bd. 20. Cham: Springer International Publishing (FGF Studies in Small Business and Entrepreneurship), pp. 159–183.

Selig, Christoph J.; Baltes, Guido H. (2019): Towards an effective management of corporate entrepreneurship activities. In: Proceedings, 2019 IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC). Valbonne Sophia-Antipolis, France, 6/17/2019 - 6/19/2019. Piscataway, NJ: IEEE, pp. 1–9.

**2018**

Selig, Christoph J.; Gasser, Tim; Baltes, Guido H. (2018): How Corporate Accelerators Foster Organizational Transformation: An Internal Perspective. In: Proceedings, 2018 IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC). Stuttgart, Germany, 6/17/2018 - 6/20/2018. Piscataway, NJ: IEEE, pp. 1–9.

**2017**

Baltes, G., & Selig, C. (2017). Organisationale Veränderungsintelligenz–Wachstumsfähigkeit mit strategischer Innovation erneuern. In: *Veränderungsintelligenz*. Springer Gabler, Wiesbaden, pp. 81-168.

Selig C., Baltes G., Freyth A. (2017) Corporate Entrepreneurship stärken: Der angestellte Unternehmer und sein Team. In: *Veränderungsintelligenz*. Springer Gabler, Wiesbaden, pp. 421 – 453.

Selig, C. J., & Baltes, G. H. (2017, June). Clarifying the roles in corporate entrepreneurship. In: Proceedings, 2017 IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC). Madeira, Portugal, 6/27/2017 - 6/29/2017. Piscataway, NJ: IEEE, pp. 879-887.

**2016**

Selig, C. J., Stettina, C. J., & Baltes, G. H. (2016, June). The Corporate Entrepreneur: A driving force for strategic renewal and radical innovation in established companies. In: Proceedings, 2016 IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC). Trondheim, Norway, 6/13/2016 - 6/15/2016. Piscataway, NJ: IEEE, pp. 1-10.

## SIKS Dissertation Series

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## 2007

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2. Wouter Teepe (RUG) *Reconciling Information Exchange and Confidentiality: A Formal Approach*
3. Peter Mika (VU) *Social Networks and the Semantic Web*
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11. Natalia Stash (TU/e) *Incorporating Cognitive/Learning Styles in a General-Purpose Adaptive Hypermedia System*
12. Marcel van Gerven (RUN) *Bayesian Networks for Clinical Decision Support: A Rational Approach to Dynamic Decision-Making under Uncertainty*
13. Rutger Rienks (UT) *Meetings in Smart Environments; Implications of Progressing Technology*
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16. Davide Grossi (UU) *Designing Invisible Handcuffs. Formal investigations in Institutions and Organizations for Multi-agent Systems*
17. Theodore Charitos (UU) *Reasoning with Dynamic Networks in Practice*
18. Bart Orriens (UvT) *On the development an management of adaptive business collaborations*
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22. Zlatko Zlatev (UT) *Goal-oriented design of value and process models from patterns*
23. Peter Barna (TU/e) *Specification of Application Logic in Web Information Systems*
24. Georgina Ramírez Camps (CWI) *Structural Features in XML Retrieval*
25. Joost Schalken (VU) *Empirical Investigations in Software Process Improvement*

**2008**

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3. Vera Hollink (UvA) *Optimizing hierarchical menus: a usage-based approach*
4. Ander de Keijzer (UT) *Management of Uncertain Data - towards unattended integration*
5. Bela Mutschler (UT) *Modeling and simulating causal dependencies on process-aware information systems from a cost perspective*

6. Arjen Hommersom (RUN) *On the Application of Formal Methods to Clinical Guidelines, an Artificial Intelligence Perspective*
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12. Jozsef Farkas (RUN) *A Semiotically Oriented Cognitive Model of Knowledge Representation*
13. Caterina Carraciolo (UvA) *Topic Driven Access to Scientific Handbooks*
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18. Guido de Croon (UM) *Adaptive Active Vision*
19. Henning Rode (UT) *From Document to Entity Retrieval: Improving Precision and Performance of Focused Text Search*
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**2009**

1. Rasa Jurgelenaite (RUN) *Symmetric Causal Independence Models*
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16. Fritz Reul (UvT) *New Architectures in Computer Chess*
17. Laurens van der Maaten (UvT) *Feature Extraction from Visual Data*
18. Fabian Groffen (CWI) *Armada, An Evolving Database System*
19. Valentin Robu (CWI) *Modeling Preferences, Strategic Reasoning and Collaboration in Agent-Mediated Electronic Markets*

20. Bob van der Vecht (UU) *Adjustable Autonomy: Controlling Influences on Decision Making*
21. Stijn Vanderlooy (UM) *Ranking and Reliable Classification*
22. Pavel Serdyukov (UT) *Search For Expertise: Going beyond direct evidence*
23. Peter Hofgesang (VU) *Modelling Web Usage in a Changing Environment*
24. Annerieke Heuvelink (VU) *Cognitive Models for Training Simulations*
25. Alex van Ballegooij (CWI) *"RAM: Array Database Management through Relational Mapping"*
26. Fernando Koch (UU) *An Agent-Based Model for the Development of Intelligent Mobile Services*
27. Christian Glahn (OU) *Contextual Support of social Engagement and Reflection on the Web*
28. Sander Evers (UT) *Sensor Data Management with Probabilistic Models*
29. Stanislav Pokraev (UT) *Model-Driven Semantic Integration of Service-Oriented Applications*
30. Marcin Zukowski (CWI) *Balancing vectorized query execution with bandwidth-optimized storage*
31. Sofiya Katrenko (UvA) *A Closer Look at Learning Relations from Text*
32. Rik Farenhorst (VU) and Remco de Boer (VU) *Architectural Knowledge Management: Supporting Architects and Auditors*
33. Khiet Truong (UT) *How Does Real Affect Affect Affect Recognition In Speech?*
34. Inge van de Weerd (UU) *Advancing in Software Product Management: An Incremental Method Engineering Approach*
35. Wouter Koelewijn (UL) *Privacy en Politiegegevens; Over geautomatiseerde normatieve informatie-uitwisseling*
36. Marco Kalz (OU) *Placement Support for Learners in Learning Networks*
37. Hendrik Drachsler (OU) *Navigation Support for Learners in Informal Learning Networks*
38. Riina Vuorikari (OU) *Tags and self-organisation: a metadata ecology for learning resources in a multilingual context*
39. Christian Stahl (TU/e, Humboldt-Universitaet zu Berlin) *Service Substitution -- A Behavioral Approach Based on Petri Nets*
40. Stephan Raaijmakers (UvT) *Multinomial Language Learning: Investigations into the Geometry of Language*
41. Igor Berezhnyy (UvT) *Digital Analysis of Paintings*
42. Toine Bogers (UvT) *Recommender Systems for Social Bookmarking*
43. Virginia Nunes Leal Franqueira (UT) *Finding Multi-step Attacks in Computer Networks using Heuristic Search and Mobile Ambients*
44. Roberto Santana Tapia (UT) *Assessing Business-IT Alignment in Networked Organizations*
45. Jilles Vreeken (UU) *Making Pattern Mining Useful*



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46. Loredana Afanasiev (UvA) *Querying XML: Benchmarks and Recursion*

**2010**

1. Matthijs van Leeuwen (UU) *Patterns that Matter*
2. Ingo Wassink (UT) *Work flows in Life Science*
3. Joost Geurts (CWI) *A Document Engineering Model and Processing Framework for Multimedia documents*
4. Olga Kulyk (UT) *Do You Know What I Know? Situational Awareness of Co-located Teams in Multidisplay Environments*
5. Claudia Hauff (UT) *Predicting the Effectiveness of Queries and Retrieval Systems*
6. Sander Bakkes (UvT) *Rapid Adaptation of Video Game AI*
7. Wim Fikkert (UT) *Gesture interaction at a Distance*
8. Krzysztof Siewicz (UL) *Towards an Improved Regulatory Framework of Free Software. Protecting user freedoms in a world of software communities and eGovernments*
9. Hugo Kielman (UL) *A Politiele gegevensverwerking en Privacy, Naar een effectieve waarborging*
10. Rebecca Ong (UL) *Mobile Communication and Protection of Children*
11. Adriaan Ter Mors (TUD) *The world according to MARP: Multi-Agent Route Planning*
12. Susan van den Braak (UU) *Sensemaking software for crime analysis*
13. Gianluigi Folino (RUN) *High Performance Data Mining using Bio-inspired techniques*
14. Sander van Splunter (VU) *Automated Web Service Reconfiguration*
15. Lianne Bodenstaff (UT) *Managing Dependency Relations in Inter-Organizational Models*
16. Sicco Verwer (TUD) *Efficient Identification of Timed Automata, theory and practice*
17. Spyros Kotoulas (VU) *Scalable Discovery of Networked Resources: Algorithms, Infrastructure, Applications*
18. Charlotte Gerritsen (VU) *Caught in the Act: Investigating Crime by Agent-Based Simulation*
19. Henriette Cramer (UvA) *People's Responses to Autonomous and Adaptive Systems*
20. Ivo Swartjes (UT) *Whose Story Is It Anyway? How Improv Informs Agency and Authorship of Emergent Narrative*
21. Harold van Heerde (UT) *Privacy-aware data management by means of data degradation*
22. Michiel Hildebrand (CWI) *End-user Support for Access to Heterogeneous Linked Data*
23. Bas Steunebrink (UU) *The Logical Structure of Emotions*
24. Dmytro Tykhonov (TUD) *Designing Generic and Efficient Negotiation Strategies*
25. Zulfiqar Ali Memon (VU) *Modelling Human-Awareness for Ambient Agents: A Human Mindreading Perspective*

26. Ying Zhang (CWI) *XRPC: Efficient Distributed Query Processing on Heterogeneous XQuery Engines*
27. Marten Voulon (UL) *Automatisch contracteren*
28. Arne Koopman (UU) *Characteristic Relational Patterns*
29. Stratos Idreos(CWI) *Database Cracking: Towards Auto-tuning Database Kernels*
30. Marieke van Erp (UvT) *Accessing Natural History - Discoveries in data cleaning, structuring, and retrieval*
31. Victor de Boer (UvA) *Ontology Enrichment from Heterogeneous Sources on the Web*
32. Marcel Hiel (UvT) *An Adaptive Service Oriented Architecture: Automatically solving Interoperability Problems*
33. Robin Aly (UT) *Modeling Representation Uncertainty in Concept-Based Multimedia Retrieval*
34. Teduh Dirgahayu (UT) *Interaction Design in Service Compositions*
35. Dolf Trieschnigg (UT) *Proof of Concept: Concept-based Biomedical Information Retrieval*
36. Jose Janssen (OU) *Paving the Way for Lifelong Learning; Facilitating competence development through a learning path specification*
37. Niels Lohmann (TU/e) *Correctness of services and their composition*
38. Dirk Fahland (TU/e) *From Scenarios to components*
39. Ghazanfar Farooq Siddiqui (VU) *Integrative modeling of emotions in virtual agents*
40. Mark van Assem (VU) *Converting and Integrating Vocabularies for the Semantic Web*
41. Guillaume Chaslot (UM) *Monte-Carlo Tree Search*
42. Sybren de Kinderen (VU) *Needs-driven service bundling in a multi-supplier setting - the computational e3-service approach*
43. Peter van Kranenburg (UU) *A Computational Approach to Content-Based Retrieval of Folk Song Melodies*
44. Pieter Bellekens (TU/e) *An Approach towards Context-sensitive and User-adapted Access to Heterogeneous Data Sources, Illustrated in the Television Domain*
45. Vasilios Andrikopoulos (UvT) *A theory and model for the evolution of software services*
46. Vincent Pijpers (VU) *e3alignment: Exploring Inter-Organizational Business-ICT Alignment*
47. Chen Li (UT) *Mining Process Model Variants: Challenges, Techniques, Examples*
48. Withdrawn
49. Jahn-Takeshi Saito (UM) *Solving difficult game positions*
50. Bouke Huurnink (UvA) *Search in Audiovisual Broadcast Archives*
51. Alia Khairia Amin (CWI) *Understanding and supporting information seeking tasks in multiple sources*

52. Peter-Paul van Maanen (VU) *Adaptive Support for Human-Computer Teams: Exploring the Use of Cognitive Models of Trust and Attention*
53. Edgar Meij (UvA) *Combining Concepts and Language Models for Information Access*

**2011**

1. Botond Cseke (RUN) *Variational Algorithms for Bayesian Inference in Latent Gaussian Models*
2. Nick Tinnemeier (UU) *Organizing Agent Organizations. Syntax and Operational Semantics of an Organization-Oriented Programming Language*
3. Jan Martijn van der Werf (TU/e) *Compositional Design and Verification of Component-Based Information Systems*
4. Hado van Hasselt (UU) *Insights in Reinforcement Learning; Formal analysis and empirical evaluation of temporal-difference learning algorithms*
5. Base van der Raadt (VU) *Enterprise Architecture Coming of Age - Increasing the Performance of an Emerging Discipline*
6. Yiwen Wang (TU/e) *Semantically-Enhanced Recommendations in Cultural Heritage*
7. Yujia Cao (UT) *Multimodal Information Presentation for High Load Human Computer Interaction*
8. Nieske Vergunst (UU) *BDI-based Generation of Robust Task-Oriented Dialogues*
9. Tim de Jong (OU) *Contextualised Mobile Media for Learning*
10. Bart Bogaert (UvT) *Cloud Content Contention*
11. Dhaval Vyas (UT) *Designing for Awareness: An Experience-focused HCI Perspective*
12. Carmen Bratosin (TU/e) *Grid Architecture for Distributed Process Mining*
13. Xiaoyu Mao (UvT) *Airport under Control. Multiagent Scheduling for Airport Ground Handling*
14. Milan Lovric (EUR) *Behavioral Finance and Agent-Based Artificial Markets*
15. Marijn Koolen (UvA) *The Meaning of Structure: the Value of Link Evidence for Information Retrieval*
16. Maarten Schadd (UM) *Selective Search in Games of Different Complexity*
17. Jiyin He (UvA) *Exploring Topic Structure: Coherence, Diversity and Relatedness*
18. Mark Ponsen (UM) *Strategic Decision-Making in complex games*
19. Ellen Rusman (OU) *The Mind's Eye on Personal Profiles*
20. Qing Gu (VU) *Guiding service-oriented software engineering - A view-based approach*
21. Linda Terlouw (TUD) *Modularization and Specification of Service-Oriented Systems*
22. Junte Zhang (UvA) *System Evaluation of Archival Description and Access*
23. Wouter Weerkamp (UvA) *Finding People and their Utterances in Social Media*
24. Herwin van Welbergen (UT) *Behavior Generation for Interpersonal Coordination with Virtual Humans On Specifying, Scheduling and Realizing Multimodal Virtual Human Behavior*

25. Syed Waqar ul Qounain Jaffry (VU) *Analysis and Validation of Models for Trust Dynamics*
26. Matthijs Aart Pontier (VU) *Virtual Agents for Human Communication - Emotion Regulation and Involvement-Distance Trade-Offs in Embodied Conversational Agents and Robots*
27. Aniel Bhulai (VU) *Dynamic website optimization through autonomous management of design patterns*
28. Rianne Kaptein (UvA) *Effective Focused Retrieval by Exploiting Query Context and Document Structure*
29. Faisal Kamiran (TU/e) *Discrimination-aware Classification*
30. Egon van den Broek (UT) *Affective Signal Processing (ASP): Unraveling the mystery of emotions*
31. Ludo Waltman (EUR) *Computational and Game-Theoretic Approaches for Modeling Bounded Rationality*
32. Nees-Jan van Eck (EUR) *Methodological Advances in Bibliometric Mapping of Science*
33. Tom van der Weide (UU) *Arguing to Motivate Decisions*
34. Paolo Turrini (UU) *Strategic Reasoning in Interdependence: Logical and Game-theoretical Investigations*
35. Maaïke Harbers (UU) *Explaining Agent Behavior in Virtual Training*
36. Erik van der Spek (UU) *Experiments in serious game design: a cognitive approach*
37. Adriana Burlutiu (RUN) *Machine Learning for Pairwise Data, Applications for Preference Learning and Supervised Network Inference*
38. Nyree Lemmens (UM) *Bee-inspired Distributed Optimization*
39. Joost Westra (UU) *Organizing Adaptation using Agents in Serious Games*
40. Viktor Clerc (VU) *Architectural Knowledge Management in Global Software Development*
41. Luan Ibraimi (UT) *Cryptographically Enforced Distributed Data Access Control*
42. Michal Sindlar (UU) *Explaining Behavior through Mental State Attribution*
43. Henk van der Schuur (UU) *Process Improvement through Software Operation Knowledge*
44. Boris Reuderink (UT) *Robust Brain-Computer Interfaces*
45. Herman Stehouwer (UvT) *Statistical Language Models for Alternative Sequence Selection*
46. Beibei Hu (TUD) *Towards Contextualized Information Delivery: A Rule-based Architecture for the Domain of Mobile Police Work*
47. Azizi Bin Ab Aziz (VU) *Exploring Computational Models for Intelligent Support of Persons with Depression*
48. Mark Ter Maat (UT) *Response Selection and Turn-taking for a Sensitive Artificial Listening Agent*

49. Andreea Niculescu (UT) *Conversational interfaces for task-oriented spoken dialogues: design aspects influencing interaction quality*

**2012**

1. Terry Kakeeto (UvT) *Relationship Marketing for SMEs in Uganda*
2. Muhammad Umair (VU) *Adaptivity, emotion, and Rationality in Human and Ambient Agent Models*
3. Adam Vanya (VU) *Supporting Architecture Evolution by Mining Software Repositories*
4. Jurriaan Souer (UU) *Development of Content Management System-based Web Applications*
5. Marijn Plomp (UU) *Maturing Interorganisational Information Systems*
6. Wolfgang Reinhardt (OU) *Awareness Support for Knowledge Workers in Research Networks*
7. Rianne van Lambalgen (VU) *When the Going Gets Tough: Exploring Agent-based Models of Human Performance under Demanding Conditions*
8. Gerben de Vries (UvA) *Kernel Methods for Vessel Trajectories*
9. Ricardo Neisse (UT) *Trust and Privacy Management Support for Context-Aware Service Platforms*
10. David Smits (TU/e) *Towards a Generic Distributed Adaptive Hypermedia Environment*
11. J.C.B. Rantham Prabhakara (TU/e) *Process Mining in the Large: Preprocessing, Discovery, and Diagnostics*
12. Kees van der Sluijs (TU/e) *Model Driven Design and Data Integration in Semantic Web Information Systems*
13. Suleman Shahid (UvT) *Fun and Face: Exploring non-verbal expressions of emotion during playful interactions*
14. Evgeny Knutov (TU/e) *Generic Adaptation Framework for Unifying Adaptive Web-based Systems*
15. Natalie van der Wal (VU) *Social Agents. Agent-Based Modelling of Integrated Internal and Social Dynamics of Cognitive and Affective Processes.*
16. Fiemke Both (VU) *Helping people by understanding them - Ambient Agents supporting task execution and depression treatment*
17. Amal Elgammal (UvT) *Towards a Comprehensive Framework for Business Process Compliance*
18. Eltjo Poort (VU) *Improving Solution Architecting Practices*
19. Helen Schonenberg (TU/e) *What's Next? Operational Support for Business Process Execution*
20. Ali Bahramisharif (RUN) *Covert Visual Spatial Attention, a Robust Paradigm for Brain-Computer Interfacing*
21. Roberto Cornacchia (TUD) *Querying Sparse Matrices for Information Retrieval*
22. Thijs Vis (UvT) *Intelligence, politie en veiligheidsdienst: verenigbare grootheden?*

23. Christian Muehl (UT) *Toward Affective Brain-Computer Interfaces: Exploring the Neurophysiology of Affect during Human Media Interaction*
24. Laurens van der Werff (UT) *Evaluation of Noisy Transcripts for Spoken Document Retrieval*
25. Silja Eckartz (UT) *Managing the Business Case Development in Inter-Organizational IT Projects: A Methodology and its Application*
26. Emile de Maat (UvA) *Making Sense of Legal Text*
27. Hayrettin Gurkok (UT) *Mind the Sheep! User Experience Evaluation & Brain-Computer Interface Games*
28. Nancy Pascall (UvT) *Engendering Technology Empowering Women*
29. Almer Tigelaar (UT) *Peer-to-Peer Information Retrieval*
30. Alina Pommeranz (TUD) *Designing Human-Centered Systems for Reflective Decision Making*
31. Emily Bagarukayo (RUN) *A Learning by Construction Approach for Higher Order Cognitive Skills Improvement, Building Capacity and Infrastructure*
32. Wietske Visser (TUD) *Qualitative multi-criteria preference representation and reasoning*
33. Rory Sie (OU) *Coalitions in Cooperation Networks (COCOON)*
34. Pavol Jancura (RUN) *Evolutionary analysis in PPI networks and applications*
35. Evert Haasdijk (VU) *Never Too Old To Learn -- On-line Evolution of Controllers in Swarm- and Modular Robotics*
36. Denis Ssebugwawo (RUN) *Analysis and Evaluation of Collaborative Modeling Processes*
37. Agnes Nakakawa (RUN) *A Collaboration Process for Enterprise Architecture Creation*
38. Selmar Smit (VU) *Parameter Tuning and Scientific Testing in Evolutionary Algorithms*
39. Hassan Fatemi (UT) *Risk-aware design of value and coordination networks*
40. Agus Gunawan (UvT) *Information Access for SMEs in Indonesia*
41. Sebastian Kelle (OU) *Game Design Patterns for Learning*
42. Dominique Verpoorten (OU) *Reflection Amplifiers in self-regulated Learning*
43. Withdrawn
44. Anna Tordai (VU) *On Combining Alignment Techniques*
45. Benedikt Kratz (UvT) *A Model and Language for Business-aware Transactions*
46. Simon Carter (UvA) *Exploration and Exploitation of Multilingual Data for Statistical Machine Translation*

47. Manos Tsagkias (UvA) *Mining Social Media: Tracking Content and Predicting Behavior*
48. Jorn Bakker (TU/e) *Handling Abrupt Changes in Evolving Time-series Data*
49. Michael Kaisers (UM) *Learning against Learning - Evolutionary dynamics of reinforcement learning algorithms in strategic interactions*
50. Steven van Kervel (TUD) *Ontology driven Enterprise Information Systems Engineering*
51. Jeroen de Jong (TUD) *Heuristics in Dynamic Scheduling; a practical framework with a case study in elevator dispatching*

**2013**

1. Viorel Milea (EUR) *News Analytics for Financial Decision Support*
2. Erietta Liarou (CWI) *MonetDB/DataCell: Leveraging the Column-store Database Technology for Efficient and Scalable Stream Processing*
3. Szymon Klarman (VU) *Reasoning with Contexts in Description Logics*
4. Chetan Yadati (TUD) *Coordinating autonomous planning and scheduling*
5. Dulce Pumareja (UT) *Groupware Requirements Evolutions Patterns*
6. Romulo Goncalves (CWI) *The Data Cyclotron: Juggling Data and Queries for a Data Warehouse Audience*
7. Giel van Lankveld (UvT) *Quantifying Individual Player Differences*
8. Robbert-Jan Merk (VU) *Making enemies: cognitive modeling for opponent agents in fighter pilot simulators*
9. Fabio Gori (RUN) *Metagenomic Data Analysis: Computational Methods and Applications*
10. Jeewanie Jayasinghe Arachchige (UvT) *A Unified Modeling Framework for Service Design*
11. Evangelos Pournaras (TUD) *Multi-level Reconfigurable Self-organization in Overlay Services*
12. Marian Razavian (VU) *Knowledge-driven Migration to Services*
13. Mohammad Safiri (UT) *Service Tailoring: User-centric creation of integrated IT-based homecare services to support independent living of elderly*
14. Jafar Tanha (UvA) *Ensemble Approaches to Semi-Supervised Learning Learning*
15. Daniel Hennes (UM) *Multiagent Learning - Dynamic Games and Applications*
16. Eric Kok (UU) *Exploring the practical benefits of argumentation in multi-agent deliberation*
17. Koen Kok (VU) *The PowerMatcher: Smart Coordination for the Smart Electricity Grid*
18. Jeroen Janssens (UvT) *Outlier Selection and One-Class Classification*
19. Renze Steenhuizen (TUD) *Coordinated Multi-Agent Planning and Scheduling*
20. Katja Hofmann (UvA) *Fast and Reliable Online Learning to Rank for Information Retrieval*
21. Sander Wubben (UvT) *Text-to-text generation by monolingual machine translation*
22. Tom Claassen (RUN) *Causal Discovery and Logic*

23. Patricio de Alencar Silva (UvT) *Value Activity Monitoring*
24. Haitham Bou Ammar (UM) *Automated Transfer in Reinforcement Learning*
25. Agnieszka Anna Latoszek-Berendsen (UM) *Intention-based Decision Support. A new way of representing and implementing clinical guidelines in a Decision Support System*
26. Alireza Zarghami (UT) *Architectural Support for Dynamic Homecare Service Provisioning*
27. Mohammad Huq (UT) *Inference-based Framework Managing Data Provenance*
28. Frans van der Sluis (UT) *When Complexity becomes Interesting: An Inquiry into the Information eXperience*
29. Iwan de Kok (UT) *Listening Heads*
30. Joyce Nakatumba (TU/e) *Resource-Aware Business Process Management: Analysis and Support*
31. Dinh Khoa Nguyen (UvT) *Blueprint Model and Language for Engineering Cloud Applications*
32. Kamakshi Rajagopal (OU) *Networking For Learning; The role of Networking in a Lifelong Learner's Professional Development*
33. Qi Gao (TUD) *User Modeling and Personalization in the Microblogging Sphere*
34. Kien Tjin-Kam-Jet (UT) *Distributed Deep Web Search*
35. Abdallah El Ali (UvA) *Minimal Mobile Human Computer Interaction*
36. Than Lam Hoang (TU/e) *Pattern Mining in Data Streams*
37. Dirk Börner (OU) *Ambient Learning Displays*
38. Eelco den Heijer (VU) *Autonomous Evolutionary Art*
39. Joop de Jong (TUD) *A Method for Enterprise Ontology based Design of Enterprise Information Systems*
40. Pim Nijssen (UM) *Monte-Carlo Tree Search for Multi-Player Games*
41. Jochem Liem (UvA) *Supporting the Conceptual Modelling of Dynamic Systems: A Knowledge Engineering Perspective on Qualitative Reasoning*
42. Léon Planken (TUD) *Algorithms for Simple Temporal Reasoning*
43. Marc Bron (UvA) *Exploration and Contextualization through Interaction and Concepts*

**2014**

1. Nicola Barile (UU) *Studies in Learning Monotone Models from Data*
2. Fiona Tulyano (RUN) *Combining System Dynamics with a Domain Modeling Method*
3. Sergio Raul Duarte Torres (UT) *Information Retrieval for Children: Search Behavior and Solutions*
4. Hanna Jochmann-Mannak (UT) *Websites for children: search strategies and interface design - Three studies on children's search performance and evaluation*



5. Jurriaan van Reijssen (UU) *Knowledge Perspectives on Advancing Dynamic Capability*
6. Damian Tamburri (VU) *Supporting Networked Software Development*
7. Arya Adriansyah (TU/e) *Aligning Observed and Modeled Behavior*
8. Samur Araujo (TUD) *Data Integration over Distributed and Heterogeneous Data Endpoints*
9. Philip Jackson (UvT) *Toward Human-Level Artificial Intelligence: Representation and Computation of Meaning in Natural Language*
10. Ivan Salvador Razo Zapata (VU) *Service Value Networks*
11. Janneke van der Zwaan (TUD) *An Empathic Virtual Buddy for Social Support*
12. Willem van Willigen (VU) *Look Ma, No Hands: Aspects of Autonomous Vehicle Control*
13. Arlette van Wissen (VU) *Agent-Based Support for Behavior Change: Models and Applications in Health and Safety Domains*
14. Yangyang Shi (TUD) *Language Models With Meta-information*
15. Natalya Mogles (VU) *Agent-Based Analysis and Support of Human Functioning in Complex Socio-Technical Systems: Applications in Safety and Healthcare*
16. Krystyna Milian (VU) *Supporting trial recruitment and design by automatically interpreting eligibility criteria*
17. Kathrin Dentler (VU) *Computing healthcare quality indicators automatically: Secondary Use of Patient Data and Semantic Interoperability*
18. Mattijs Ghijsen (UvA) *Methods and Models for the Design and Study of Dynamic Agent Organizations*
19. Vinicius Ramos (TU/e) *Adaptive Hypermedia Courses: Qualitative and Quantitative Evaluation and Tool Support*
20. Mena Habib (UT) *Named Entity Extraction and Disambiguation for Informal Text: The Missing Link*
21. Cassidy Clark (TUD) *Negotiation and Monitoring in Open Environments*
22. Marieke Peeters (UU) *Personalized Educational Games - Developing agent-supported scenario-based training*
23. Eleftherios Sidirourgos (UvA/CWI) *Space Efficient Indexes for the Big Data Era*
24. Davide Ceolin (VU) *Trusting Semi-structured Web Data*
25. Martijn Lappenschaar (RUN) *New network models for the analysis of disease interaction*
26. Tim Baarslag (TUD) *What to Bid and When to Stop*
27. Rui Jorge Almeida (EUR) *Conditional Density Models Integrating Fuzzy and Probabilistic Representations of Uncertainty*
28. Anna Chmielowiec (VU) *Decentralized k-Clique Matching*
29. Jaap Kabbedijk (UU) *Variability in Multi-Tenant Enterprise Software*

30. Peter de Cock (UvT) *Anticipating Criminal Behaviour*
31. Leo van Moergestel (UU) *Agent Technology in Agile Multiparallel Manufacturing and Product Support*
32. Naser Ayat (UvA) *On Entity Resolution in Probabilistic Data*
33. Tesfa Tegegne (RUN) *Service Discovery in eHealth*
34. Christina Manteli (VU) *The Effect of Governance in Global Software Development: Analyzing Transactive Memory Systems.*
35. Joost van Ooijen (UU) *Cognitive Agents in Virtual Worlds: A Middleware Design Approach*
36. Joos Buijs (TU/e) *Flexible Evolutionary Algorithms for Mining Structured Process Models*
37. Maral Dadvar (UT) *Experts and Machines United Against Cyberbullying*
38. Danny Plass-Oude Bos (UT) *Making brain-computer interfaces better: improving usability through post-processing*
39. Jasmina Maric (UvT) *Web Communities, Immigration, and Social Capital*
40. Walter Omona (RUN) *A Framework for Knowledge Management Using ICT in Higher Education*
41. Frederic Hogenboom (EUR) *Automated Detection of Financial Events in News Text*
42. Carsten Eijckhof (CWI/TUD) *Contextual Multidimensional Relevance Models*
43. Kevin Vlaanderen (UU) *Supporting Process Improvement using Method Increments*
44. Paulien Meesters (UvT) *Intelligent Blauw. Met als ondertitel: Intelligence-gestuurde politiezorg in gebiedsgebonden eenheden*
45. Birgit Schmitz (OU) *Mobile Games for Learning: A Pattern-Based Approach*
46. Ke Tao (TUD) *Social Web Data Analytics: Relevance, Redundancy, Diversity*
47. Shangsong Liang (UvA) *Fusion and Diversification in Information Retrieval*

## 2015

1. Niels Netten (UvA) *Machine Learning for Relevance of Information in Crisis Response*
2. Faiza Bukhsh (UvT) *Smart auditing: Innovative Compliance Checking in Customs Controls*
3. Twan van Laarhoven (RUN) *Machine learning for network data*
4. Howard Spoelstra (OU) *Collaborations in Open Learning Environments*
5. Christoph Bösch (UT) *Cryptographically Enforced Search Pattern Hiding*
6. Farideh Heidari (TUD) *Business Process Quality Computation - Computing Non-Functional Requirements to Improve Business Processes*
7. Maria-Hendrike Peetz (UvA) *Time-Aware Online Reputation Analysis*
8. Jie Jiang (TUD) *Organizational Compliance: An agent-based model for designing and evaluating organizational interactions*

9. Randy Klaassen (UT) *HCI Perspectives on Behavior Change Support Systems*
10. Henry Hermans (OU) *OpenU: design of an integrated system to support lifelong learning*
11. Yongming Luo (TU/e) *Designing algorithms for big graph datasets: A study of computing bisimulation and joins*
12. Julie M. Birkholz (VU) *Modi Operandi of Social Network Dynamics: The Effect of Context on Scientific Collaboration Networks*
13. Giuseppe Procaccianti (VU) *Energy-Efficient Software*
14. Bart van Straalen (UT) *A cognitive approach to modeling bad news conversations*
15. Klaas Andries de Graaf (VU) *Ontology-based Software Architecture Documentation*
16. Changyun Wei (UT) *Cognitive Coordination for Cooperative Multi-Robot Teamwork*
17. André van Cleeff (UT) *Physical and Digital Security Mechanisms: Properties, Combinations and Trade-offs*
18. Holger Pirk (CWI) *Waste Not, Want Not! - Managing Relational Data in Asymmetric Memories*
19. Bernardo Tabuenca (OU) *Ubiquitous Technology for Lifelong Learners*
20. Loïs Vanhée (UU) *Using Culture and Values to Support Flexible Coordination*
21. Sibren Fetter (OU) *Using Peer-Support to Expand and Stabilize Online Learning*
22. Zhemin Zhu (UT) *Co-occurrence Rate Networks*
23. Luit Gazendam (VU) *Cataloguer Support in Cultural Heritage*
24. Richard Berendsen (UvA) *Finding People, Papers, and Posts: Vertical Search Algorithms and Evaluation*
25. Steven Woudenberg (UU) *Bayesian Tools for Early Disease Detection*
26. Alexander Hogenboom (EUR) *Sentiment Analysis of Text Guided by Semantics and Structure*
27. Sándor Héman (CWI) *Updating compressed column stores*
28. Janet Bagorogoza (UvT) *KNOWLEDGE MANAGEMENT AND HIGH PERFORMANCE; The Uganda Financial Institutions Model for HPO*
29. Hendrik Baier (UM) *Monte-Carlo Tree Search Enhancements for One-Player and Two-Player Domains*
30. Kiavash Bahreini (OU) *Real-time Multimodal Emotion Recognition in E-Learning*
31. Yakup Koç (TUD) *On the robustness of Power Grids*
32. Jerome Gard (UL) *Corporate Venture Management in SMEs*
33. Frederik Schadd (TUD) *Ontology Mapping with Auxiliary Resources*
34. Victor de Graaf (UT) *Gesocial Recommender Systems*
35. Jungxao Xu (TUD) *Affective Body Language of Humanoid Robots: Perception and Effects in Human Robot Interaction*

**2016**

1. Syed Saiden Abbas (RUN) *Recognition of Shapes by Humans and Machines*
2. Michiel Christiaan Meulendijk (UU) *Optimizing medication reviews through decision support: prescribing a better pill to swallow*
3. Maya Sappelli (RUN) *Knowledge Work in Context: User Centered Knowledge Worker Support*
4. Laurens Rietveld (VU) *Publishing and Consuming Linked Data*
5. Evgeny Sherkhonov (UvA) *Expanded Acyclic Queries: Containment and an Application in Explaining Missing Answers*
6. Michel Wilson (TUD) *Robust scheduling in an uncertain environment*
7. Jeroen de Man (VU) *Measuring and modeling negative emotions for virtual training*
8. Matje van de Camp (UvT) *A Link to the Past: Constructing Historical Social Networks from Unstructured Data*
9. Archana Nottamkandath (VU) *Trusting Crowdsourced Information on Cultural Artefacts*
10. George Karafotias (VU) *Parameter Control for Evolutionary Algorithms*
11. Anne Schuth (UvA) *Search Engines that Learn from Their Users*
12. Max Knobbout (UU) *Logics for Modelling and Verifying Normative Multi-Agent Systems*
13. Nana Baah Gyan (VU) *The Web, Speech Technologies and Rural Development in West Africa - An ICT4D Approach*
14. Ravi Khadka (UU) *Revisiting Legacy Software System Modernization*
15. Steffen Michels (RUN) *Hybrid Probabilistic Logics - Theoretical Aspects, Algorithms and Experiments*
16. Guangliang Li (UvA) *Socially Intelligent Autonomous Agents that Learn from Human Reward*
17. Berend Weel (VU) *Towards Embodied Evolution of Robot Organisms*
18. Albert Meroño Peñuela (VU) *Refining Statistical Data on the Web*
19. Julia Efremova (TU/e) *Mining Social Structures from Genealogical Data*
20. Daan Odijk (UvA) *Context & Semantics in News & Web Search*
21. Alejandro Moreno Celleri (UT) *From Traditional to Interactive Playspaces: Automatic Analysis of Player Behavior in the Interactive Tag Playground*
22. Grace Lewis (VU) *Software Architecture Strategies for Cyber-Foraging Systems*
23. Fei Cai (UvA) *Query Auto Completion in Information Retrieval*
24. Brend Wanders (UT) *Repurposing and Probabilistic Integration of Data; An Iterative and data model independent approach*
25. Julia Kiseleva (TU/e) *Using Contextual Information to Understand Searching and Browsing Behavior*

26. Dilhan Thilakarathne (VU) *In or Out of Control: Exploring Computational Models to Study the Role of Human Awareness and Control in Behavioural Choices, with Applications in Aviation and Energy Management Domains*
27. Wen Li (TUD) *Understanding Geo-spatial Information on Social Media*
28. Mingxin Zhang (TUD) *Large-scale Agent-based Social Simulation - A study on epidemic prediction and control*
29. Nicolas Höning (TUD) *Peak reduction in decentralised electricity systems -Markets and prices for flexible planning*
30. Ruud Mattheij (UvT) *The Eyes Have It*
31. Mohammad Khelghati (UT) *Deep web content monitoring*
32. Eelco Vriezekolk (UT) *Assessing Telecommunication Service Availability Risks for Crisis Organisations*
33. Peter Bloem (UvA) *Single Sample Statistics, exercises in learning from just one example*
34. Dennis Schunselaar (TU/e) *Configurable Process Trees: Elicitation, Analysis, and Enactment*
35. Zhaochun Ren (UvA) *Monitoring Social Media: Summarization, Classification and Recommendation*
36. Daphne Karreman (UT) *Beyond R2D2: The design of nonverbal interaction behavior optimized for robot-specific morphologies*
37. Giovanni Sileno (UvA) *Aligning Law and Action - a conceptual and computational inquiry*
38. Andrea Minuto (UT) *MATERIALS THAT MATTER - Smart Materials meet Art & Interaction Design*
39. Merijn Bruijnes (UT) *Believable Suspect Agents; Response and Interpersonal Style Selection for an Artificial Suspect*
40. Christian Detweiler (TUD) *Accounting for Values in Design*
41. Thomas King (TUD) *Governing Governance: A Formal Framework for Analysing Institutional Design and Enactment Governance*
42. Spyros Martzoukos (UvA) *Combinatorial and Compositional Aspects of Bilingual Aligned Corpora*
43. Saskia Koldijk (RUN) *Context-Aware Support for Stress Self-Management: From Theory to Practice*
44. Thibault Sellam (UvA) *Automatic Assistants for Database Exploration*
45. Bram van de Laar (UT) *Experiencing Brain-Computer Interface Control*
46. Jorge Gallego Perez (UT) *Robots to Make you Happy*
47. Christina Weber (UL) *Real-time foresight - Preparedness for dynamic innovation networks*
48. Tanja Buttler (TUD) *Collecting Lessons Learned*

49. Gleb Polevoy (TUD) *Participation and Interaction in Projects. A Game-Theoretic Analysis*
50. Yan Wang (UvT) *The Bridge of Dreams: Towards a Method for Operational Performance Alignment in IT-enabled Service Supply Chains*

**2017**

1. Jan-Jaap Oerlemans (UL) *Investigating Cybercrime*
2. Sjoerd Timmer (UU) *Designing and Understanding Forensic Bayesian Networks using Argumentation*
3. Daniël Harold Telgen (UU) *Grid Manufacturing; A Cyber-Physical Approach with Autonomous Products and Reconfigurable Manufacturing Machines*
4. Mrunal Gawade (CWI) *Multi-Core Parallelism In A Column-Store*
5. Mahdiah Shadi (UvA) *Collaboration Behavior*
6. Damir Vandić (EUR) *Intelligent Information Systems for Web Product Search*
7. Roel Bertens (UU) *Insight in Information: from Abstract to Anomaly*
8. Rob Konijn (VU) *Detecting Interesting Differences: Data Mining in Health Insurance Data using Outlier Detection and Subgroup Discovery*
9. Dong Nguyen (UT) *Text as Social and Cultural Data: A Computational Perspective on Variation in Text*
10. Robby van Delden (UT) (Steering) *Interactive Play Behavior*
11. Florian Kunneman (RUN) *Modelling patterns of time and emotion in Twitter #anticipointment*
12. Sander Leemans (TU/e) *Robust Process Mining with Guarantees*
13. Gijs Huisman (UT) *Social Touch Technology - Extending the reach of social touch through haptic technology*
14. Shoshannah Tekofsky (UvT) *You Are Who You Play You Are: Modelling Player Traits from Video Game Behavior*
15. Peter Berck, Radboud University (RUN) *Memory-Based Text Correction*
16. Aleksandr Chuklin (UvA) *Understanding and Modeling Users of Modern Search Engines*
17. Daniel Dimov (UL) *Crowdsourced Online Dispute Resolution*
18. Ridho Reinanda (UvA) *Entity Associations for Search*
19. Jeroen Vuurens (TUD) *Proximity of Terms, Texts and Semantic Vectors in Information Retrieval*
20. Mohammadbashir Sedighi (TUD) *Fostering Engagement in Knowledge Sharing: The Role of Perceived Benefits, Costs and Visibility*
21. Jeroen Linssen (UT) *Meta Matters in Interactive Storytelling and Serious Gaming (A Play on Worlds)*

22. Sara Magliacane (VU) *Logics for causal inference under uncertainty*
23. David Graus (UvA) *Entities of Interest--- Discovery in Digital Traces*
24. Chang Wang (TUD) *Use of Affordances for Efficient Robot Learning*
25. Veruska Zamborlini (VU) *Knowledge Representation for Clinical Guidelines, with applications to Multimorbidity Analysis and Literature Search*
26. Merel Jung (UT) *Socially intelligent robots that understand and respond to human touch*
27. Michiel Joose (UT) *Investigating Positioning and Gaze Behaviors of Social Robots: People's Preferences, Perceptions and Behaviors*
28. John Klein (VU) *Architecture Practices for Complex Contexts*
29. Adel Alhuraibi (UvT) *From IT-Business Strategic Alignment to Performance: A Moderated Mediation Model of Social Innovation, and Enterprise Governance of IT*
30. Wilma Latuny (UvT) *The Power of Facial Expressions*
31. Ben Ruijl (UL) *Advances in computational methods for QFT calculations*
32. Thaer Samar (RUN) *Access to and Retrievability of Content in Web Archives*
33. Brigit van Loggem (OU) *Towards a Design Rationale for Software Documentation: A Model of Computer-Mediated Activity*
34. Maren Scheffel (OU) *The Evaluation Framework for Learning Analytics*
35. Martine de Vos (VU) *Interpreting natural science spreadsheets*
36. Yuanhao Guo (UL) *Shape Analysis for Phenotype Characterisation from High-throughput Imaging*
37. Alejandro Montes Garcia (TU/e) *WiBAF: A Within Browser Adaptation Framework that Enables Control over Privacy*
38. Alex Kayal (TUD) *Normative Social Applications*
39. Sara Ahmadi (RUN) *Exploiting properties of the human auditory system and compressive sensing methods to increase noise robustness in ASR*
40. Altaf Hussain Abro (VU) *Steer your Mind: Computational Exploration of Human Control in Relation to Emotions, Desires and Social Support For applications in human-aware support systems"*
41. Adnan Manzoor (VU) *Minding a Healthy Lifestyle: An Exploration of Mental Processes and a Smart Environment to Provide Support for a Healthy Lifestyle*
42. Elena Sokolova (RUN) *Causal discovery from mixed and missing data with applications on ADHD datasets*
43. Maaïke de Boer (RUN) *Semantic Mapping in Video Retrieval*
44. Garm Lucassen (UU) *Understanding User Stories - Computational Linguistics in Agile Requirements Engineering*

45. Bas Testerink (UU) *Decentralized Runtime Norm Enforcement*
46. Jan Schneider (OU) *Sensor-based Learning Support*
47. Yie Yang (TUD) *Crowd Knowledge Creation Acceleration*
48. Angel Suarez (OU) *Collaborative inquiry-based learning*

**2018**

1. Han van der Aa (VU) *Comparing and Aligning Process Representations*
2. Felix Mannhardt (TU/e) *Multi-perspective Process Mining*
3. Steven Bosems (UT) *Causal Models For Well-Being: Knowledge Modeling, Model-Driven Development of Context-Aware Applications, and Behavior Prediction*
4. Jordan Janeiro (TUD) *Flexible Coordination Support for Diagnosis Teams in Data-Centric Engineering Tasks*
5. Hugo Huurdeman (UvA) *Supporting the Complex Dynamics of the Information Seeking Process*
6. Dan Ionita (UT) *Model-Driven Information Security Risk Assessment of Socio-Technical Systems*
7. Jieting Luo (UU) *A formal account of opportunism in multi-agent systems*
8. Rick Smetsers (RUN) *Advances in Model Learning for Software Systems*
9. Xu Xie (TUD) *Data Assimilation in Discrete Event Simulations*
10. Julienka Mollee (VU) *Moving forward: supporting physical activity behavior change through intelligent technology*
11. Mahdi Sargolzaei (UvA) *Enabling Framework for Service-oriented Collaborative Networks*
12. Xixi Lu (TU/e) *Using behavioral context in process mining*
13. Seyed Amin Tabatabaei (VU) *Using behavioral context in process mining: Exploring the added value of computational models for increasing the use of renewable energy in the residential sector*
14. Bart Joosten (UvT) *Detecting Social Signals with Spatiotemporal Gabor Filters*
15. Naser Davarzani (UM) *Biomarker discovery in heart failure*
16. Jaebok Kim (UT) *Automatic recognition of engagement and emotion in a group of children*
17. Jianpeng Zhang (TU/e) *On Graph Sample Clustering*
18. Henriette Nakad (UL) *De Notaris en Private Rechtspraak*
19. Minh Duc Pham (VU) *Emergent relational schemas for RDF*
20. Manxia Liu (RUN) *Time and Bayesian Networks*
21. Aad Sloatmaker (OU) *EMERGO: a generic platform for authoring and playing scenario-based serious games*



22. Eric Fernandes de Mello Araújo (VU) *Contagious: Modeling the Spread of Behaviours, Perceptions and Emotions in Social Networks*
23. Kim Schouten (EUR) *Semantics-driven Aspect-Based Sentiment Analysis*
24. Jered Vroon (UT) *Responsive Social Positioning Behaviour for Semi-Autonomous Telepresence Robots*
25. Riste Gligorov (VU) *Serious Games in Audio-Visual Collections*
26. Roelof de Vries (UT) *Theory-Based And Tailor-Made: Motivational Messages for Behavior Change Technology*
27. Maikel Leemans (TU/e) *Hierarchical Process Mining for Scalable Software Analysis*
28. Christian Willemse (UT) *Social Touch Technologies: How they feel and how they make you feel*
29. Yu Gu (UvT) *Emotion Recognition from Mandarin Speech*
30. Wouter Beek (VU) *The “K” in “semantic web” stands for “knowledge”: scaling semantics to the web*

**2019**

1. Rob van Eijk (UL) *Web privacy measurement in real-time bidding systems. A graph-based approach to RTB system classification*
2. Emmanuelle Beauxis- Aussalet (CWI, UU) *Statistics and Visualizations for Assessing Class Size Uncertainty*
3. Eduardo Gonzalez Lopez de Murillas (TU/e) *Process Mining on Databases: Extracting Event Data from Real Life Data Sources*
4. Ridho Rahmadi (RUN) *Finding stable causal structures from clinical data*
5. Sebastiaan van Zelst (TU/e) *Process Mining with Streaming Data*
6. Chris Dijkshoorn (VU) *Nichesourcing for Improving Access to Linked Cultural Heritage Datasets*
7. Soude Fazeli (TUD) *Recommender Systems in Social Learning Platforms*
8. Frits de Nijs (TUD) *Resource-constrained Multi-agent Markov Decision Processes*
9. Fahimeh Alizadeh Moghaddam (UvA) *Self-adaptation for energy efficiency in software systems*
10. Qing Chuan Ye (EUR) *Multi-objective Optimization Methods for Allocation and Prediction*
11. Yue Zhao (TUD) *Learning Analytics Technology to Understand Learner Behavioral Engagement in MOOCs*
12. Jacqueline Heinerma (VU) *Better Together*
13. Guanliang Chen (TUD) *MOOC Analytics: Learner Modeling and Content Generation*

14. Daniel Davis (TUD) *Large-Scale Learning Analytics: Modeling Learner Behavior & Improving Learning Outcomes in Massive Open Online Courses*
15. Erwin Walraven (TUD) *Planning under Uncertainty in Constrained and Partially Observable Environments*
16. Guangming Li (TU/e) *Process Mining based on Object-Centric Behavioral Constraint (OCBC) Models*
17. Ali Hurriyetoglu (RUN) *Extracting actionable information from microtexts*
18. Gerard Wagenaar (UU) *Artefacts in Agile Team Communication*
19. Vincent Koeman (TUD) *Tools for Developing Cognitive Agents*
20. Chide Groenouwe (UU) *Fostering technically augmented human collective intelligence*
21. Cong Liu (TU/e) *Software Data Analytics: Architectural Model Discovery and Design Pattern Detection*
22. Martin van den Berg (VU) *Improving IT Decisions with Enterprise Architecture*
23. Qin Liu (TUD) *Intelligent Control Systems: Learning, Interpreting, Verification*
24. Anca Dumitrache (VU) *Truth in Disagreement- Crowdsourcing Labeled Data for Natural Language Processing*
25. Emiel van Miltenburg (UvT) *Pragmatic factors in (automatic) image description*
26. Prince Singh (UT) *An Integration Platform for Sychromodal Transport*
27. Alessandra Antonaci (OU) *The Gamification Design Process applied to (Massive) Open Online Courses*
28. Esther Kuindersma (UL) *Cleared for take-off: Game-based learning to prepare airline pilots for critical situations*
29. Daniel Formolo (VU) *Using virtual agents for simulation and training of social skills in safety-critical circumstances*
30. Vahid Yazdanpanah (UT) *Multiagent Industrial Symbiosis Systems*
31. Milan Jelisavcic (VU) *Alive and Kicking: Baby Steps in Robotics*
32. Chiara Sironi (UM) *Monte-Carlo Tree Search for Artificial General Intelligence in Games*
33. Anil Yaman (TU/e) *Evolution of Biologically Inspired Learning in Artificial Neural Networks*
34. Negar Ahmadi (TU/e) *EEG Microstate and Functional Brain Network Features for Classification of Epilepsy and PNES*
35. Lisa Facey-Shaw (OU) *Gamification with digital badges in learning programming*
36. Kevin Ackermans (OU) *Designing Video-Enhanced Rubrics to Master Complex Skills*
37. Jian Fang (TUD) *Database Acceleration on FPGAs*
38. Akos Kadar (OU) *Learning visually grounded and multilingual representations*

**2020**

1. Armon Toubman (UL) *Calculated Moves: Generating Air Combat Behaviour*
2. Marcos de Paula Bueno (UL) *Unraveling Temporal Processes using Probabilistic Graphical Models*
3. Mostafa Deghani (UvA) *Learning with Imperfect Supervision for Language Understanding*
4. Maarten van Gompel (RUN) *Context as Linguistic Bridges*
5. Yulong Pei (TU/e) *On local and global structure mining*
6. Preethu Rose Anish (UT) *Stimulation Architectural Thinking during Requirements Elicitation - An Approach and Tool Support*
7. Wim van der Vegt (OU) *Towards a software architecture for reusable game components*
8. Ali Mirsoleimani (UL) *Structured Parallel Programming for Monte Carlo Tree Search*
9. Myriam Traub (UU) *Measuring Tool Bias & Improving Data Quality for Digital Humanities Research*
10. Alifah Syamsiyah (TU/e) *In-database Preprocessing for Process Mining*
11. Sepideh Mesbah (TUD) *Semantic-Enhanced Training Data Augmentation Methods for Long-Tail Entity Recognition Models*
12. Ward van Breda (VU) *Predictive Modeling in E-Mental Health: Exploring Applicability in Personalised Depression Treatment*
13. Marco Virgolin (CWI) *Design and Application of Gene-pool Optimal Mixing Evolutionary Algorithms for Genetic Programming*
14. Mark Raasveldt (CWI/UL) *Integrating Analytics with Relational Databases*
15. Konstantinos Georgiadis (OU) *Smart CAT: Machine Learning for Configurable Assessments in Serious Games*
16. Ilona Wilmont (RUN) *Cognitive Aspects of Conceptual Modelling*
17. Daniele Di Mitri (OU) *The Multimodal Tutor: Adaptive Feedback from Multimodal Experiences*
18. Georgios Methenitis (TUD) *Agent Interactions & Mechanisms in Markets with Uncertainties: Electricity Markets in Renewable Energy Systems*
19. Guido van Capelleveen (UT) *Industrial Symbiosis Recommender Systems*
20. Albert Hankel (VU) *Embedding Green ICT Maturity in Organisations*
21. Karine da Silva Miras de Araujo (VU) *Where is the robot?: Life as it could be*
22. Maryam Masoud Khamis (RUN) *Understanding complex systems implementation through a modeling approach: the case of e-government in Zanzibar*
23. Rianne Conijn (UT) *The Keys to Writing: A writing analytics approach to studying writing processes using keystroke logging*

24. Lenin da Nobrega Medeiros (VU/RUN) *How are you feeling, human? Towards emotionally supportive chatbots*
25. Xin Du (TU/e) *The Uncertainty in Exceptional Model Mining*
26. Krzysztof Leszek Sadowski (UU) *GAMBIT: Genetic Algorithm for Model-Based mixed-Integer opTimization*
27. Ekaterina Muravyeva (TUD) *Personal data and informed consent in an educational context*
28. Bibeg Limbu (TUD) *Multimodal interaction for deliberate practice: Training complex skills with augmented reality*
29. Ioan Gabriel Bucur (RUN) *Being Bayesian about Causal Inference*
30. Bob Zadok Blok (UL) *Creatief, Creatieve, Creatiefst*
31. Gongjin Lan (VU) *Learning better -- From Baby to Better*
32. Jason Rhuggenaath (TU/e) *Revenue management in online markets: pricing and online advertising*
33. Rick Gilsing (TU/e) *Supporting service-dominant business model evaluation in the context of business model innovation*
34. Anna Bon (MU) *Intervention or Collaboration? Redesigning Information and Communication Technologies for Development*
35. Siamak Farshidi (UU) *Multi-Criteria Decision-Making in Software Production*

**2021**

1. Francisco Xavier Dos Santos Fonseca (TUD) *Location-based Games for Social Interaction in Public Space*
2. Rijk Mercurur (TUD) *Simulating Human Routines: Integrating Social Practice Theory in Agent-Based Models*
3. Seyyed Hadi Hashemi (UvA) *Modeling Users Interacting with Smart Devices*
4. Ioana Jivet (OU) *The Dashboard That Loved Me: Designing adaptive learning analytics for self-regulated learning*
5. Davide Dell'Anna (UU) *Data-Driven Supervision of Autonomous Systems*
6. Daniel Davison (UT) *"Hey robot, what do you think?" How children learn with a social robot*
7. Armel Lefebvre (UU) *Research data management for open science*
8. Nardie Fanchamps (OU) *The Influence of Sense-Reason-Act Programming on Computational Thinking*
9. Cristina Zaga (UT) *The Design of Robothings. Non-Anthropomorphic and Non-Verbal Robots to Promote Children's Collaboration Through Play*
10. Quinten Meertens (UvA) *Misclassification Bias in Statistical Learning*

11. Anne van Rossum (UL) *Nonparametric Bayesian Methods in Robotic Vision*
12. Lei Pi (UL) *External Knowledge Absorption in Chinese SMEs*
13. Bob R. Schadenberg (UT) *Robots for Autistic Children: Understanding and Facilitating Predictability for Engagement in Learning*
14. Negin Samaeemofrad (UL) *Business Incubators: The Impact of Their Support*
15. Onat Ege Adali (TU/e) *Transformation of Value Propositions into Resource Re-Configurations through the Business Services Paradigm*
16. Esam A. H. Ghaleb (MU) *BIMODAL EMOTION RECOGNITION FROM AUDIO-VISUAL CUES*
17. Dario Dotti (UM) *Human Behavior Understanding from motion and bodily cues using deep neural networks*
18. Remi Wieten (UU) *Bridging the Gap Between Informal Sense-Making Tools and Formal Systems - Facilitating the Construction of Bayesian Networks and Argumentation Frameworks*
19. Roberto Verdecchia (VU) *Architectural Technical Debt: Identification and Management*
20. Masoud Mansoury (TU/e) *Understanding and Mitigating Multi-Sided Exposure Bias in Recommender Systems*
21. Pedro Thiago Timbó Holanda (CWI) *Progressive Indexes*
22. Sihang Qiu (TUD) *Conversational Crowdsourcing*
23. Hugo Manuel Proença (LIACS) *Robust rules for prediction and description*
24. Kaijie Zhu (TUE) *On Efficient Temporal Subgraph Query Processing*
25. Eoin Martino Grua (VUA) *The Future of E-Health is Mobile: Combining AI and Self-Adaptation to Create Adaptive E-Health Mobile Applications*
26. Benno Kruit (CWI & VU) *Reading the Grid: Extending Knowledge Bases from Human-readable Tables*
27. Jelte van Waterschoot (UT) *Personalized and Personal Conversations: Designing Agents Who Want to Know You*
28. Christoph Selig (UL) *Understanding the Heterogeneity of Corporate Entrepreneurship Programs*