

Curriculum Vitae

Prof. Dr. Alexander Nolte

Narva maantee 18, Room 3013
51009 Tartu, Estonia
email: alexander.nolte@ut.ee
web: alexandernolte.github.io



Scopus: 9
Google Scholar H-index: 14
<https://scholar.google.com/citations?user=oVmnoQQAAAAJ&hl=en>

Education

- 2009 – 2014 University Duisburg-Essen, Faculty of Business Administration and Economics
Dr. rer. nat. (PhD in Information Systems)
Dissertation: Flexibilisierung kollaborativer Prozessmodellierung durch den Einsatz webbasierter Modellierungswerkzeuge (written in German)
Sehr gut (magna cum laude)
Advisor: Prof. Dr. Thomas Herrmann (Ruhr-University Bochum, Germany)
Advisor: Prof. Dr. Volker Gruhn (University Duisburg-Essen, Germany)
- 1999 – 2008 TU Dortmund University, Department of Computer Science
Dipl.-Inform. (MSc equivalent in Computer Science)
Thesis: Konzept und Prototyp eines Usability orientierten webbasierten Editors für semi-strukturierte Modellierung (German)

Languages

German – native language

English – speak fluently and read/write with high proficiency (C2)

Academic Positions / Appointments / Work Experience

2020 – present	Institute of Computer Science, University of Tartu, Estonia , Associate Professor (tenured)
2020 – present	School of Computer Science, Carnegie Mellon University, Pittsburgh, PA, USA , Adjunct Associate Professor
2018 – present	Hackathon Consultant, Facilitator and Coach self-employed
2018 – 2020	Institute of Computer Science, University of Tartu, Estonia , Lecturer (Assistant Professor)
2018 – 2020	School of Computer Science, Carnegie Mellon University, Pittsburgh, PA, USA , Adjunct Assistant Professor
2017 – 2018	School of Computer Science, Carnegie Mellon University, Pittsburgh, PA, USA , Research Associate
2017 – 2018	School of Information Sciences, University of Pittsburgh, PA, USA , Postdoctoral Fellow
2017	School of Information Sciences, University of Pittsburgh, PA, USA , Adjunct Faculty
2016 – 2017	School of Information Sciences, University of Pittsburgh, PA, USA , Visiting Research Fellow
2016 – 2017	EURO-FH University of Applied Sciences, Hamburg, Germany , Online Tutor
2014 – 2016	Institute of Applied Work Science, Ruhr-University Bochum, Germany , Postdoctoral Research Fellow
2009 – 2014	Institute of Applied Work Science, Ruhr-University Bochum, Germany , Researcher and PhD student
2013	School of Information Systems, Queensland University of Technology, Brisbane, Australia , Visiting Research Fellow
2011 – 2018	Process Management Consultant and Coach, self-employed
2008 – 2009	fromatob.com, Germany , Front-end Developer

Awards and Professional Recognition

- | | |
|------|---|
| 2021 | Best Paper Award for the paper "Interpreting externally expressed intentions of an autonomous vehicle" presented at the <i>International Conference on Human System Interaction (HSI)</i> |
| 2020 | Runner-up for 2019 Best Paper Award for the paper "Designing Corporate Hackathons With a Purpose" published in <i>IEEE Software</i> |
| 2019 | ACM SIGSOFT Distinguished Paper Award for the paper "Going Farther Together: The Impact of Social Capital on Sustained Participation in Open Source" presented at the <i>International Conference on Software Engineering (ICSE)</i> |
| 2016 | Special award Sandro D'Atri for the paper "Socio-technical Process Design – The Case of Coordinated Service Delivery for Elderly People" presented at the <i>Conference of the Italian Chapter of the Association for Information Systems (itAIS)</i> |

Awarded Grants and Scholarships

- | | |
|-------------|---|
| 2021 | Alfred P. Sloan Foundation
Support for the Lorentz Center workshop "Hack the Hackathon: Shaping the Future of Hackathon Research and Practice" (Author, principal investigator, \$50,000) |
| 2021 – 2024 | National Science Foundation (NSF)
CISE Community Research Infrastructure project " <i>World of Code (WoC): The Development of a Curated Code Resource to Support Research in Software Engineering</i> " (Co-author, Community Outreach and Engagement Director, \$750,000 total funding value, \$20,000 for outreach position) |
| 2020 – 2025 | Estonian Research Council (ERC)
Applied research project " <i>Prescriptive Monitoring of Business Processes</i> " (Co-author and senior personnel, lead of WP4 – Usability of Prescriptive Process Monitoring, 675.000 € total funding value, ~100.000 € for WP4) |
| 2019 – 2021 | Estonian Research Council (ERC) – NUTIKAS program
Applied research project " <i>Applied Research on Development of Autonomous Driving Lab for Level 4 Autonomy</i> " (Co-author and senior personnel, co-lead of WP7 – human vehicle interaction, 1.201.000 € total funding value, ~50.000 € for WP7) |
| 2017 – 2019 | Deutsche Forschungsgemeinschaft (DFG)
Research fellowship for the project <i>Supporting sustained collaboration over time in hybrid collocated and online settings</i> at the University of Pittsburgh, PA, USA (Author, principal investigator, 103.249,80 €) |

- 2013 – 2017 Bundesministerium für Bildung und Forschung (BMBF)
Applied research project *“Kompetenzorientiertes Unternehmenscoaching für ein nachhaltiges Kompetenzmanagement in KMU (4C4Learn)”* (Co-author and senior personnel, lead of WP2 – Entwicklung betriebspezifischer Kompetenzmodelle und IT-Umsetzung, 1.180.000 € total funding value, 158.492,40 € for WP2)
- 2013 German Academic Exchange Service (DAAD)
Scholarship for a short-term research visit, Queensland University of Technology, Brisbane, Australia (Author, Principal investigator, 5.256 €)
- 2008 Bundesministeriums für Wirtschaft und Energie (BMWi)
eXist Business Start-up Grant, RWTH Aachen University, Germany (Front-end Developer, 11.600 €)

Student Advising (PhD and Master level)

- 2021 – present Kateryna Kubrak – PhD, University of Tartu, Estonia
- 2021 – present Ahmed Samir Imam Mahmoud – PhD, University of Tartu, Estonia
- 2018 – present Maria Angelica Medina Angarita – PhD, University of Tartu, Estonia
- 2018 – present Abasi-Amefon Obot Affia – PhD, University of Tartu, Estonia
- 2022 Janna-Liina Leemets (Master, University of Tartu, Estonia, ongoing), Maria Smirnova (Master, University of Tartu, Estonia)
- 2021 Andrew Bennett (Master, University of Tartu, Estonia), Ahmed Samir Imam Mahmoud (Master, University of Tartu, Estonia), Ayaz Karimov (Master, University of Tartu, Estonia), Kateryna Kubrak (Master, University of Tartu, Estonia), Kristina Meister (Master, University of Tartu, Estonia), Alina Nekrasova (Master, University of Tartu, Estonia, ongoing), Katrin Shuyler (Master, University of Tartu, Estonia), Tähe-Kai Tillo (Master, University of Tartu, Estonia), Abdul Wahab (Master, University of Tartu, Estonia), Mengchen Yong (Carnegie Mellon University, Pittsburgh, PA, USA)
- 2020 Alar Leemet (Master, University of Tartu, Estonia), Timo Soinen (Master, University of Tartu, Estonia)
- 2019 Sofiya Demchuk (Master, University of Tartu, Estonia), Karl-Martin Uiga (Master, University of Tartu, Estonia)
- 2016 Malte Brokkötter (Master, Ruhr- Universität Bochum, Germany), Isabella Rüsing (Master, Ruhr- Universität Bochum, Germany)
- 2015 Darius Wolodzko (Master, Ruhr- Universität Bochum, Germany)

Scientific Community Service

Committees:

2023	Software Engineering in Society (SEIS) track of the International Conference on Software Engineering (ICSE) (program committee)
2022	ACM International Conference on Supporting Group Work (associate chair)
2022	7 th International Conference on Game Jams, Hackathons, and Game Creation Events (program committee)
2021	18 th Conference on Mining Software Repositories (hackathon track co-chair)
2021	International Conference on Collaboration Technologies and Social Computing (conference co-chair)
2021	6 th International Conference on Game Jams, Hackathons, and Game Creation Events (program committee)
2020	25 th International Conference on Collaboration Technologies and Social Computing (program co-chair)
2020	28 th European Conference on Information Systems (program committee)
2020	15 th International Conference on Global Software Engineering (program committee)
2020	12 th International Conference on Subject-Oriented Business Process Management (program committee)
2019	27 th European Conference on Information Systems (program committee)
2019	27 th ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (registration chair)
2019	25 th International Conference on Collaboration Technologies and Social Computing (program committee)
2019	14 th International Conference on Global Software Engineering (program committee)
2019	20 th Conference on Business Process Modeling, Development and Support (program committee)
2019	11 th International Conference on Subject-Oriented Business Process Management (program committee)
2018	ACM International Conference on Supporting Group Work (program committee)
2018	26 th European Conference on Information Systems (program committee)
2018	30 th International Conference on Advanced Information Systems Engineering (social media chair)
2018	13 th International Conference on Global Software Engineering (program committee)

2018	10 th International Conference on Subject-Oriented Business Process Management (program committee)
2017 - present	Workshop on Socio-Technical Perspective in IS development (program chair, program committee)
2017	Track on A sociotechnical approach for 21st century problems @ ECIS (associate editor)
2017	12 th International Conference on Global Software Engineering (program committee)
2016	11 th International Conference on Global Software Engineering (publicity chair and program committee)

Reviewer:

Journals	Business Information Systems Engineering (BISE), IEEE Software, Group Decision and Negotiation, Business Process Management Journal, Journal of Business Analytics, Journal of Systems and Software, Software and Systems Modeling, Complex Systems Informatics and Modeling Quarterly
Conferences	ACM Conference on Human Factors in Computing Systems (CHI), ACM Conference on Computer-Supported Cooperative Work (CSCW), ACM International Conference on Supporting Group Work (Group), Conference on Collaboration Technologies and Social Computing (CollabTech), Mining Software Repositories (MSR), IEEE International Conference on Global Software Engineering (ICGSE), International Conference on Information Systems (ICIS), European Conference on Information Systems (ECIS)

Institutional service (Hochschulische Selbstverwaltung)

2021	Search committee chair for faculty position Department of Computer Science, University of Tartu, Estonia
2021	Search committee member for faculty position Department of Computer Science, University of Tartu, Estonia
2021	Search committee member for adjunct faculty position Department of Computer Science, Norwegian University of Science and Technology, Norway
2019 – 2021	Erasmus+ Intereuropean Student Migration Coordinator for Partnership Agreements
2019 – 2021	Head of the executive Master specialization module "Digital Product Design and Management"

Invited Talks and Panels

- | | |
|------|--|
| 2022 | Partizipative IT Gestaltung zur Förderung von Innovation für eine digitale Gesellschaft
University of Kassel, Kassel, Germany (25.01.) |
| 2021 | Panel on Student Competitions at the ACM Practice & Experience in Advanced Research Computing (PEARC) conference (19.07. – 22.07.,
https://pearc.acm.org/pearc21/student-program/panel-on-student-competitions/) – panelist |
| 2020 | Social aspects of computing: Supporting sustainable collaboration in hybrid settings
University of Tartu, Tartu, Estonia (27.01.) |
| 2019 | Hackathons – Current practice and missed opportunities
University of Tennessee, Knoxville, TN, USA (15.11.) |
| 2019 | Hackathon outcomes and event design
Oak Ridge National Laboratory (ORNL), Oak Ridge, TN, USA (14.11.) |
| 2019 | Hackathons – Current practice and missed opportunities
Johannes Kepler University Linz, Linz, Austria (23.05.) |
| 2018 | Designing hackathons with a purpose
IEEE Estonia Section Summer Seminar 2018, Jäened, Estonia (20.08.) |
| 2016 | Supporting sustained collaboration over time – A socio-technical approach
University of Missouri, Columbia, MO, USA (28.10.) |
| 2015 | Collaboration on and interaction with models of socio-technical processes
Middlesex University, London, UK (03.11.) |

Published Open Access Resources

- | | |
|------|---|
| 2020 | Hackathon Planning Kit – A web-based multi-level methodological framework to help prospective hackathon planners navigate the numerous design and planning decisions to make their event a success
(https://hackathon-planning-kit.org/) |
| 2020 | RuM – An open-source desktop application that provides a comprehensive set of declarative process mining tools in a single unified package that is easy to use for process mining novices and experts (https://rulemining.org/) |

Dissemination / Outreach Activities

2022	World of Code Hackathon, Pittsburgh, PA, USA (21.05. – 22.05.) – co-organizer and facilitator
2021	#wirfuerschule hackathon (13.06. – 18.06.) – consultant and scientific advisor
2021	Lorentz Center workshop "Hack the Hackathon: Shaping the Future of Hackathon Research and Practice" (06.12.- 10.12., https://www.lorentzcenter.nl/hack-the-hackathon-shaping-the-future-of-hackathon-research-and-practice.html) – co-organizer
2021	Interview with Techable on the evolution of hackathons during the COVID crisis (https://techable.jp/archives/155860)
2020	World of Code Hackathon, online (14.11. – 05.12.) – co-organizer and facilitator
2020	Cybersecurity Hackathon, online (23.10. – 25.10.) – co-organizer and mentor
2020	Hello Future_ hackathon, USA and Arabat, Syria (23.05. – 30.05.) – juror
2020	The Global Hack, online (09.04. – 12.04.) – mentor
2019	World of Code Hackathon, Pittsburgh, PA, USA (01.11. – 03.11.) – co-organizer and facilitator
2019	Cybersecurity Hackathon, Tartu, Estonia (11.10. – 13.10.) – co-organizer and mentor
2018 – present	Co-organizer of a hackathon series in the high-performance computing community (http://hackhpc.org/)