

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: 16
<https://scholar.google.com/citations?user=oVmnoQQAAAAJ&hl=en>

Education

- 2009 – 2014 Faculty of Business Administration and Economics, University Duisburg-Essen, Germany
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 Department of Computer Science, TU Dortmund University, Germany
Dipl.-Inform. (MSc equivalent in Computer Science)
Diplomarbeit: Konzept und Prototyp eines Usability orientierten webbasierten Editors für semi-strukturierte Modellierung (written in German)

Languages

- German – native language
- English – speak fluently and read/write with high proficiency (C2)

Academic Positions / Appointments / Work Experience

June 2022	List position 2, Faculty of Electrical Engineering and Computer Science, University of Kassel, Germany Associate Professor for „Participatory IT Design“
since 2018	Institute of Computer Science, University of Tartu, Estonia Associate Professor (tenured, since 2020) Lecturer (Assistant Professor, tenured, 2018 – 2020)
since 2016	School of Computer Science, Carnegie Mellon University, Pittsburgh, PA, USA Adjunct Associate Professor (since 2020) Adjunct Assistant Professor (2018 – 2020) Research Associate (2017 – 2018) Temporary Research Programmer (2016 – 2017)
since 2011	Self-employment Hackathon Consultant, Facilitator and Coach (since 2018) Process Management Consultant and Coach (2011 – 2018)
2016 – 2018	School of Information Sciences, University of Pittsburgh, PA, USA Postdoctoral Fellow (2017 – 2018) Adjunct Faculty (2017) Visiting Research Fellow (2016 – 2017)
2016 – 2017	EURO-FH University of Applied Sciences, Hamburg, Germany Online-Tutor (2016 – 2017)
2009 – 2016	Institute of Applied Work Science, Ruhr-University Bochum, Germany Postdoctoral Research Fellow (2014 – 2016) Researcher and PhD student (2009 – 2014)
2013	School of Information Systems, Queensland University of Technology, Brisbane, Australia Visiting Research Fellow (2013)
2008 – 2009	fromatob.com, Germany Front-end Developer (2008 – 2009)

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</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</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</i> |

Awarded Grants and Fellowships

- | | |
|-------------|--|
| 2021 – 2024 | National Science Foundation (NSF), USA
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) |
| 2021 | Alfred P. Sloan Foundation, USA
Support for the Lorentz Center workshop " <i>Hack the Hackathon: Shaping the Future of Hackathon Research and Practice</i> " (Author, principal investigator, \$50,000) |
| 2020 – 2025 | Estonian Research Council (ERC), Estonia
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, Estonia
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), Germany
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), Germany |

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), Germany
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)

- since 2021 Kateryna Kubrak – PhD, University of Tartu, Estonia
- since 2021 Ahmed Samir Imam Mahmoud – PhD, University of Tartu, Estonia
- since 2018 Maria Angelica Medina Angarita – PhD, University of Tartu, Estonia
- since 2018 Abasi-Amefon Obot Affia – PhD, University of Tartu, Estonia
- 2022 Janna-Liina Leemets (Master, University of Tartu, Estonia, ongoing), Alina Nekrasova (Master, University of Tartu, Estonia), 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), 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 Sojunen (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-University Bochum, Germany), Isabella Rüsing (Master, Ruhr-University Bochum, Germany)

Scientific Community Service

Committees:

2023	Software Engineering in Society (SEIS) track of the International Conference on Software Engineering (ICSE) (program committee)
since 2022	ACM International Conference on Supporting Group Work (associate chair)
2021	18 th Conference on Mining Software Repositories (hackathon track co-chair)
2021	International Conference on Collaboration Technologies and Social Computing (conference co-chair)
since 2021	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)
2019	27 th ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (registration chair)
2019	20 th Conference on Business Process Modeling, Development and Support (program committee)
2018	ACM International Conference on Supporting Group Work (program committee)
2018 – 2020	European Conference on Information Systems (program committee)
2018	30 th International Conference on Advanced Information Systems Engineering (social media chair)
2018 – 2020	International Conference on Subject-Oriented Business Process Management (program committee)
since 2017	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)
since 2016	International Conference on Global Software Engineering (program committee)

Reviewer:

Journals	International Journal of Human-Computer Interaction, 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
Conferences	ACM Conference on Human Factors in Computing Systems (CHI), ACM Conference on Computer-Supported Cooperative Work (CSCW), International Conference on Information Systems (ICIS)

Institutional service

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 (German) 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.) Oak Ridge National Laboratory (ORNL), Oak Ridge, TN, USA (14.11.) Johannes Kepler University Linz, Linz, Austria (23.05.)
2018	Designing hackathons with a purpose IEEE Estonia Section Summer Seminar 2018, Jämeda, 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, online, Germany (13.06. – 18.06.) – consultant and scientific advisor
- 2021 Lorentz Center workshop "Hack the Hackathon: Shaping the Future of Hackathon Research and Practice", online, The Netherlands (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, Japan (<https://techable.jp/archives/155860>)
- 2020 World of Code Hackathon, online, USA (14.11. – 05.12.) – co-organizer and facilitator
- 2020 Cybersecurity Hackathon, online, Estonia (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, Estonia (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
- since 2018 Co-organizer of a hackathon series in the high-performance computing community (<http://hackhpc.org/>)