

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: 13
<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

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| 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 – 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 , Co-founder and Front-end Developer |

Awards and Professional Recognition

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| 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

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| 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, \$30,000 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 (Co-founder, 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
- 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), Janna-Liina Leemets (Master, University of Tartu, Estonia, ongoing), Kristina Meister (Master, University of Tartu, Estonia), Alina Nekrasova (Master, University of Tartu, Estonia, ongoing), Katrin Shuyler (Master, University of Tartu, Estonia), Maria Smirnova (Master, University of Tartu, Estonia, ongoing), 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:

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| 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) |
| 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) |

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| 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:

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| 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)

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| 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 – present | Erasmus+ Intereuropean Student Migration Coordinator for Partnership Agreements |
| 2019 – present | Head of the executive Master specialization module "Product Design and Management" |

Invited Talks and Panels

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| 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 (venia legendi) 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, Jäeneda, 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

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| 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

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| 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/) |