Curriculum Vitae

Prof. Dr. Alexander Nolte

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Scopus: 10
Google Scholar H-Index: 16
https://scholar.google.com/citations?user=0Vmn0QQAAAAJ&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 *International Conference on Human System Interaction*
2020	Runner-up for 2019 Best Paper Award for the paper "Designing Corporate Hackathons With a Purpose" published in *IEEE Software*
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 *International Conference on Software Engineering*
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 *Conference of the Italian Chapter of the Association for Information Systems*

Awarded Grants and Fellowships

2021 – 2024	National Science Foundation (NSF), USA CISE Community Research Infrastructure project *"World of Code (WoC): The Development of a Curated Code Resource to Support Research in Software Engineering"* (Co-author, Community Outreach and Engagement Director, $750,000 total funding value, $20,000 for outreach position)
2021 – 2022	Alfred P. Sloan Foundation, USA Support for the workshop series "*Hack the Hackathon: Shaping the Future of Hackathon Research and Practice*" at the Lorentz Center, Leiden, The Netherlands, December 2021 and at the Flatiron Institute, New York, USA, October 2022 (Author, principal investigator, $95,800)
2020 – 2025	Estonian Research Council (ERC), Estonia Applied research project *"Prescriptive Monitoring of Business Processes"* (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 *"Applied Research on Development of Autonomous Driving Lab for Level 4 Autonomy"* (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 *Supporting sustained collaboration over time in hybrid collocated and online settings* at the University of Pittsburgh, PA, USA (Author, principal investigator, 103.249,80 €)

2017 – 2019 University of Pittsburgh Social Science Research Initiative, USA
Applied research project *"We are strong! Leveraging Information Technology to Empower Marginalized Communities"* (Co-author and senior personnel, $50.000)

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 betriebsspezifischer 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), Germany
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) Ahmed Samir Imam Mahmoud (PhD, University of Tartu, Estonia)

since 2018 Abasi-Amefon Obot Affia (PhD, University of Tartu, Estonia) Maria Angelica Medina Angarita (PhD, University of Tartu, Estonia)

2022 Worraanong Chanchaijak (Master, University of Tartu, Estonia, ongoing), Janna-Liina Leemets (Master, University of Tartu, Estonia), 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 Soiunen (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)
2023	20th International Conference on Mining Software Repositories (mining challenge co-chair)
since 2022	ACM International Conference on Supporting Group Work (associate chair)
2021	18th International 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	25th International Conference on Collaboration Technologies and Social Computing (program co-chair)
2019	27th ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (registration chair)
2019	20th 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	30th 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)

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, Jäneda, 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/)

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"

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.) –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
2020	Cybersecurity Hackathon, online, Estonia (23.10. – 25.10.) – co-organizer
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
2019	Cybersecurity Hackathon, Tartu, Estonia (11.10. – 13.10.) – co-organizer
since 2018	Co-organizer of a hackathon series in the high-performance computing community (http://hackhpc.org/)