# 2 Curriculum Vitae

## 2.1 Relevant employments and degrees

### 2.1.1 Education

| | |
|---|---|
| 2009–2015 | Ph.D. in Software Engineering at the Blekinge Institute of Technology |

### 2.1.2 Work experience

**Current employment**

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|---|---|
| 2017–present | Senior Lecturer at the Blekinge Institute of Technology |

**Past employment**

| | |
|---|---|
| 2018–2019 | Consultant at Qualicen GmbH |
| 2015–2017 | Postdoc at the Blekinge Institute of Technology |
| 2009–2015 | Ph.D. Student at the Blekinge Institute of Technology |

## 2.2 Scientific qualifications

### 2.2.1 Refereeing

I have reviewed 140 journal, conference and workshop contributions over the past 11 years. I have been on the Empirical Software Engineering (EMSE) review board (2015/2016 and 2016/2017) and received the EMSE Reviewer Certificate of Recognition from the editors in 2018 and 2019. In 2021, I have served as an expert evaluator for a research application in the Dutch Research Council (NWA). The most frequent venues I've been refereeing are listed below.

**Journals:** Empirical Software Engineering (EMSE), Journal of Systems and Software (JSS), Expert Systems with Applications (ESA), Information and Software Technology (IST), ACM Computing Surveys (CSUR), IEEE Access, Transactions on Software Engineering (TSE).

**Conferences/workshops:** International Conference on Software Engineering (ICSE), European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE), International Requirements Engineering Conference (RE), Intl. Working Conference on Requirements Engineering: Foundations for Software Quality (REFSQ), International Conference on Evaluation and Assessment in Software Engineering (EASE), International Workshop on Artificial Intelligence and Requirements Engineering (AIRE), International Workshop on Natural Language Processing for Requirements Engineering (NLP4RE)

### 2.2.2 Committees

In 2013, I initiated together with fellow Ph.D. students and researchers from the University of Innsbruck and the University of Trento the Requirements Engineering and Testing (RET) workshop. I've served, in varying roles, over five years in the organization of the workshop.

| | |
|---|---|
| 2021–present | *Reference group member* for Data Access Unit at Blekinge Institute of Technology |
| 2018 | *General Chair* for the 5th International Requirements Engineering and Testing Workshop (RET'18), colocated with ICSE 2018. |
| 2017 | *Co-Chair* for the 4th International Requirements Engineering and Testing Workshop (RET'17), colocated with RE 2017. |
| 2015 | *Publicity Representative Europe* for the 24th IEEE International Requirements Engineering Conference (RE'16) |
| | *General Chair and Web-Chair* for the 3rd International Requirements Engineering and Testing Workshop (RET'16), colocated with REFSQ 2016. |
| 2014–present | Member of the Software Startups Global Research Network |
| 2014 | *Web Co-Chair* for the 23rd IEEE International Requirements Engineering Conference (RE'15) |
| | *Web-Chair and Publicity Chair* for the 2nd International Requirements Engineering and Testing Workshop (RET'15), colocated with ICSE'15. |
| 2013 | *Web-Chair, Web Master and Interaction Co-Chair* for the 22nd IEEE International Requirements Engineering Conference (RE'14) |
| | *Web-Chair and PC member* for the 1st International Requirements Engineering and Testing Workshop (RET'14), colocated with RE'14. |

### 2.2.3   Research funding

As main applicant (DCAT), I have received in 2020 research funding from Trafikverket for a Ph.D. student, myself and an industry partner (HochTief Vicon). A support letter, signed the main applicant in the projects ERSAK, KREDA and SERT, describing my role as co-applicant and responsibilities in these projects, is attached.

| | |
|---|---|
| 2020–2022 | Trafikverket–DCAT / Main applicant. Duration: 2 years. Budget: 6M SEK |
| 2018–2026 | KK-Stiftelsen–SERT / Co-applicant. Duration: 8 years. Budget: 107 MSEK |
| 2017–2019 | Trafikverket–KREDA / Co-applicant. Duration: 2 years. Budget: 3M SEK |
| 2015–2017 | Trafikverket–ERSAK / Co-applicant. Duration: 2 years. Budget: 4M SEK |

In 2021, I was co-applicant on a unsuccessful application for the grant "Future Software Systems" of the Swedish Foundation for Strategic Research (SSF).

In 2022, I was main applicant for the starting grant within natural and engineering sciences of the Swedish Research Council (VR). The decision is expected in November 2022.

### 2.2.4   Research collaborations with industry

| | |
|---|---|
| 2015–present | Trafikverket |
| 2020–present | HochTief Vicon |
| 2019–present | Ericsson AB |
| 2019–present | Visma AB |
| 2011–2015 | Axis AB |
| 2014 | Telenor |
| 2013 | CompuGroup Medical |
| 2013 | ST Ericsson |
| 2013 | Volvo Car Corporation |

### 2.2.5   Invited talks and guest lectures

| | |
|---:|---|
| 2019 | What is Natural Language Processing and what can it do for me (as a Software Engineer)?, Ericsson AB |
| 2019 | CoClass and systematic requirements engineering, Svensk Byggtjänst |
| 2017 | Which requirements artefact quality defects are automatically detectable?, Swedish Requirements Engineering Research Network |
| 2016 | Requirements Quality Assurance–What can we automate and is it worthwhile?, TOCSYC Industry Day / Karlskrona Test Gathering |
| 2016–2018 | Software Process Assessment and REST-bench, Chalmers / guest lecture |
| 2015 | Test case selection with topic models, Swedsoft gathering |
| 2014 | Lärarlärdom at Blekinge Institute of Technology |
| 2013 | LUCAS day, Lund University |
| 2013 | Science Friday, Kreativum Karlshamn |
| 2012 | Research fair at Blekinge Institute of Technology |

## 2.3   Pedagogical qualifications

### 2.3.1   Supervision

I am currently co-supervising six Ph.D. students (all from the start of their studies) and am the de-facto principal supervisor for Lakmal Silva and Waleed Adbeen (see attached support letter signed by the principal supervisor, Krzysztof Wnuk). I have been co-supervising Eriks Klotins from recruitment to doctoral defense.

| | |
|---:|---|
| 2022–present | Parisa Elahidoost, Blekinge Institute of Technology and fortiss GmbH, assistant supervisor |
| | Oleksandr Kosenkov, Blekinge Institute of Technology and fortiss GmbH, assistant supervisor |
| 2020–present | Waleed Abdeen, Blekinge Institute of Technology, assistant supervisor |
| | Julian Frattini, Blekinge Institute of Technology, assistant supervisor |
| 2018–present | Vi Tran Huynh Khanh, Blekinge Institute of Technology, assistant supervisor (Licentiate thesis defended in June 2022) |
| | Lakmal Silva, Blekinge Institute of Technology and Ericsson AB, assistant supervisor |
| 2014–2019 | Eriks Klotins, Blekinge Institute of Technology, assistant supervisor (Ph.D. thesis defended in December 2019) |

I have co-authored 11 journal and 11 conference publications with supervised Ph.D. students (see Table 2 in Section 4).

Between 2012 and 2020 I have also supervised 10 Master Theses (nine at the Blekinge Institute of Technology, one at the University of Innsbruck). I have co-authored three journal publications with Master Thesis students (see Table 2 in Section 4).

Between 2019 and 2022 I have supervised five Bachelor Theses (four at the Blekinge Institute of Technology, one at the University of Innsbruck).

### 2.3.2 Teaching experience

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|---:|---|
| 2022 | Systems Engineering Project (product customer) |
| 2018–present | Software Evolution and Maintenance (product customer defining feature requests, grading submissions) |
| 2018–present | Master Thesis in Software Engineering (course responsible and examiner) / examined over 80 theses |
| 2017–present | Applied Cloud Computing and Big Data (co-design of the course, assignments and assessment) |
| 2019 | Research Methodology for doctoral students (co-design of the course, assignments, seminars) |
| 2018–2019 | Advanced Topics in Software Engineering (course responsible and examiner, course design, seminar design and assessment) |
| 2011–2013 | Applied Project Management (design of course, lecturing, assessment of assignments and exams) |
| 2013 | C++ programming for civil engineers (development and assessment of assignments and exams) |
| 2010–2013 | Software Architecture and Quality (development and assessment of assignments and exams) |
| 2012 | Object Oriented Design (lab assistant and assessment of assignments) |
| 2011 | Practical Requirements Engineering (assessment of assignments and exams) |
| 2010 | Research Methodology (assessment of assignments and exams) |

### 2.3.3 Pedagogical education and studies

I have acquired the following formal education for teaching at graduate and post-graduate levels.

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|---:|---|
| 2018 | FLUS-course: a course on advising Ph.D. students, Blekinge Institute of Technology (5 ECTS) |
| 2014 | Higher Education Pedagogy Project Course, Blekinge Institute of Technology (7.5 ECTS) |
| 2010 | Higher Education Pedagogy Introductory Course, Blekinge Institute of Technology (7.5 ECTS) |