



Dr. Vadim Zaytsev
Associate Professor

Contact

Formal Methods & Tools
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Webpages:

grammarware.net
grammarware.github.io
github: [@grammarware](https://github.com/grammarware)
twitter: [@grammarware](https://twitter.com/grammarware)

Notable projects

[ProVerB](#)
[SLEBoK](#)
[BibSLEIGH](#)
[DYOL](#)
[Grammar Zoo](#)
[GrammarLab](#)
[SLPS](#)

Selected events

BENEVOL (keynote 2019)
CoCoDo (founder 2016)
ICSME (keynote 2016)
IFIP WG2.11 (member)
MLE (keynote 2019)
MMMDE (founder 2015)
MODELSWARD (keynote 2023)
OOPSLE (founder 2013)
SATToSE (SC, keynote 2018)
SLE (PC 2025, AEC 2016)
SLEBoK (EiC)
STAF (GC 2024)

Mixed background (mathematics, computer science, railways), mixed experience (academic, industrial, education), mixed interests (application of generative techniques in software evolution, language/compiler design and legacy renovation).

Publications (see <http://grammarware.net/shares/cv.pdf> for the exhaustive list)

16+ at A rank venues (SoSyM, JSS, MoDELS, ICSME, SANER, SCP, ...)
21+ at B rank venues (SLE, GPCE, iFM, SAC, PROFES, ECMFA, DS, JOT, ...)
3+ at C rank venues (SQJ, SCAM)
50+ at notable unranked venues (ACM/IET/IEEE DL, CEUR, Dagstuhl/Shonan)

Projects

2024–2030 **Unified Assessment Pipeline for Learning-by-Doing**
Incentive Grant; *PI*
2024–2028 **PALLAS: Program Analysis for LLVM-IR and LLVM Languages**
UT; 2× *PhD co-promotor*
2023–2028 **Engineering for Zero Downtime in CPS via Intelligent Diagnostics**
UT+VU+Saxion+ESI+ASML+CPP+ITEC+TFS+Philips; *WP leader*;
WP4: Model-Based Systems Engineering
2020–2023 **Advanced Source Code Diffing**
RCL + UCL; *PI from the RCL side*; *PhD co-promotor*
2018–2020 **INTElligent Modernisation Assistance for Legacy Software**
RCL + VUB + UCL; *PI from the RCL side*

Experience

since 2020  **Universiteit Twente**
Associate Professor; BSc & MSc Programme Director
2016–2020  **Raincode & Raincode Labs**
Chief Science Officer; Analyst/Developer
2013–2016  **Universiteit van Amsterdam**
MSc Programme Coordinator; Lecturer
2010–2013  **Centrum Wiskunde & Informatica**
Postdoctoral Researcher
2008–2010  **Universität Koblenz-Landau**
Scientific Researcher
2004–2008  **Vrije Universiteit Amsterdam**
Doctoral (Postgraduate) Student — o.i.o.
1999–2000  **Rostov State Transport University**
Scientific Programmer

Education

2021–2022 SKE: **Universiteit Twente** (UT)
Senior University Examiner Qualification
2014 BKO: **Universiteit van Amsterdam** (UvA)
Basic University Teaching Qualification
2004–2010 PhD: **Vrije Universiteit Amsterdam** (VU)
Recovery, Convergence and Documentation of Languages
2002–2004 MSc: **Universiteit Twente** (UT), cum laude
Combinatorial Test Set Generation
1998–2003 MSc: **Rostov State University**, cum laude
Modelling and Model Checking of Distributed Systems

Teaching

Lecturing since 2003, courses on programming languages, software engineering, programming paradigms, software evolution, software construction, testing, compiler construction, data structures, formal languages. Supervising BSc and MSc students since 2010, **101+** successfully finished so far. Supervising PhD students since 2020.

Awards

Best Artefact Award	ICSME 2022, ICSME 2016
IFIP TC2 Manfred Paul Award	SLE 2020
Distinguished Reviewer Award	SCAM 2018, SCAM 2016
Best Paper Award	SCAM 2009