NataliiaStulova

contact	experience			
nata.stulova@pm.me	2020 – now			
links		University of Bern Bern, Switzerland My main research focus is software documentation quality and developing tools for improving it automatically. I am also working on techniques for supporting require-		
web:// s0nata.github.io LinkedIn:// nata-stulova	2019 – 2020	ment engineering tasks in software development. Lab for Automated Reasoning and Analysis Postdoc		
programming	2013 2020	Swiss Federal Institute of Technology in Lausanne (EPFL) I have worked on formal languages-based techniques for source code automatic documentation and summarization.		
Prolog C++, Java L ^{AT} EX bash	2014 – 2018	IMDEA Software Institute Research Assistant Madrid, Spain My research focus has been specification-based software verification: how to write specifications of program behavior, how to introduce non-trivial properties of programs, how to check them thoroughly, and how to do this efficiently.		
languages native Ukrainian Russian	2012 – 2013	Intelligent Systems and Knowledge Engineering Group Research Intern Technical University of Madrid (UPM) I have been designing and implementing a graphical user interface (GUI) for a multiagent airspace simulation system.		
proficient English	educatio	n		
Spanish German beginner French Hebrew	2014-2018	PhD in Software, Systems and Computing cum laude	Technical University of Madrid (UPM)	
	2012-2013	MSc in Artificial Intelligence	Technical University of Madrid (UPM)	
	2008-2012	BSc in System Analysis	National Technical University of Ukraine "Kyiv Polytechnic Institute" (NTUU "KPI")	
interests	research			
> software engineering > natural language processing	SCAM'20	Towards Detecting Inconsistent Comments in Java Source Code Automatically N. Stulova, A. Blasi, A. Gorla 20th IEEE International Working Conference on Source Code Analysis and Manipulation documentation • natural language processing • software quality		
> requirements engineering	PPDP'18	Static Performance Guarantees for Programs with Run-time Checks M. Klemen, N. Stulova, P. Lopez-Garcia, J. F. Morales, M. Hermenegildo 20th International ACM SIGPLAN Symposium on Principles and Practice of Declarative Programming resource usage analysis *assertions *declarative programming *run-time checking Exploiting Term Hiding to Reduce Run-time Checking Overhead N. Stulova, J. F. Morales, M. Hermenegildo 20th International Symposium on Practical Aspects of Declarative Languages declarative programming *module systems *assertions *abstract interpretation *run-time checking		
> knowledge representation and reasoning > program	PADĽ18			
specification languages	SCP'17	Some Trade-offs in Reducing the Overhead of Assertion Run-time Checks via Static Analysis N. Stulova, J. F. Morales, M. Hermenegildo Science of Computer Programming, 18th International ACM SIGPLAN Symposium on Principles and Practice of Declarative Programming (PPDP'16) Special Issue abstract interpretation * assertions * run-time checking * logic programming * horn clauses		
	ICLP'15	Practical Run-time Checking via Unobtrusive Property Caching N. Stulova, J. F. Morales, M. Hermenegildo Theory and Practice of Logic Programming, 31st International Conference on Logic Programming Special Issue assertions • property caching • memoization • run-time checking		

PPDP'14 Assertion-based Debugging of Higher-Order (C)LP Programs

N. Stulova, J. F. Morales, M. Hermenegildo

16th International ACM SIGPLAN Symposium on Principles and Practice

of Declarative Programming

higher-order • assertions • run-time checking • declarative programming

other qualifications

2020 **Lecturer** online and presencial teaching

Taught a pert of the Software Skills Lab, a 5 ECTS course of the Joint Master in

Computer Science program of the BeNeFri universities.

2017 Workshop Chair | Organizer web presence • talk scheduling • submission review

Co-organized CICLOPS'17 – 15th International Colloquium on Implementation of Constraint and LOgic Programming Systems, co-located with ICLP'17 / CP'17 /

SAT'17.