

Simona Etinski

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TOPICS OF INTEREST	post-quantum cryptography, quantum cryptanalysis	
EDUCATION	Paris Cité University major: Theoretical computer science module: Cryptography	
	PhD student	2019 – 2023
	Faculty of Technical Sciences, University of Novi Sad major: Electrical and Computer Engineering module: Communications and Signal Processing	
	PhD student	2017 – 2019
	Master’s student – GPA: 10.00, achievement: excellent	2016 – 2017
	Bachelor’s student – GPA: 9.66, achievement: excellent	2012 – 2016
THESES	<i>Generalized SDP and its Application to Post-Quantum Cryptography</i> , PhD thesis	2023
	<i>Adaptation of a DNN for TTS to the Characteristics of a Particular Speaker</i> , master’s thesis	2017
	<i>Classification of BOLD Signal Independent Components</i> , bachelor’s thesis	2016
PROFESSIONAL ENGAGEMENTS	Postdoc at CWI, Cryptology group	since April 2023
	PhD student at INRIA Paris (COSMIQ) team and IRIF (Algorithms and Complexity) group	2019–2023
	Research and teaching assistant at the Faculty of Technical Sciences, University of Novi Sad ,	2018 – 2019
	Software developer at AlfaNum Speech Technologies	2018 – 2019
	Intern at AlfaNum Speech Technologies and Zesium Mobile	2016
PUBLISHED RESEARCH	<i>Asymptotics and Improvements of Sieving for Codes</i> , conference paper at Eurocrypt 2024	2024
	(pre-print) <i>On the (In)security of optimized Stern-like signature schemes</i> , submitted to DCC	2022
	<i>Classical and Quantum algorithms for generic Syndrome Decoding problems and applications to the Lee metric</i> , conference paper at PQCrypto 2021	2021
TEACHING AND MENTORING	Guest lecturer at Mastermath : – Modern Cryptography	December 2023
	Teaching assistant at the École Polytechnique : – Introduction to object-oriented programming in Java	April – June 2022

	Teaching assistant at the Faculty of Technical Sciences :	2018 – 2019
	– Communication systems	
	– Audio and video technologies	
	– Acoustics and audio technology in multimedia	
SCIENTIFIC OUTREACH	Guest lecturer and advisor at Linguistics seminar at Petnica Science Center , supported by MILSET	2012–2019
	Co-mentor for students’ projects at International Research School for high school students, supported by MILSET	2021, 2019, 2017
CHALLENGES AND COMPETITIONS	Member of a system development team in the Multi-target Speaker Detection and Identification Challenge (MCE 2018)	2018
	Member of a system development team in the IEEE Signal Processing Cup (IEEE SP Cup)	2016
	– Special Prize for Sensing Circuit System	
SCHOLARSHIPS AND AWARDS	PhD fellowship, MathInParis2019, FSMP	2019–2022
	AlfaNum Speech Technologies ’ scholarship	2017–2018
	“Dositeja” scholarship, Fund for Young Talents	2016–2017
	Award for exceptional accomplishment during Bachelor’s studies, University of Novi Sad	2015, 2016
	University students’ scholarship, Ministry of Education, Science and Technological Development	2013–2016
PROGRAMMING LANGUAGES PROFICIENCY	C, C++, Matlab – excellent Python, Java, C# - familiar VHDL – familiar	
OPEN SOURCE PROJECTS	Sieving for Codes , Sieving MCCL , Information Set Decoding Analysis	
LANGUAGES PROFICIENCY	Serbian – native English – fluent	French – intermediate Russian – beginner