ELENA PAGNIN			- Education & Titles	
		since 2022	Assistant Professor Tenure-Track (Forskarassistent)	Chalmers (SE)
	t Professor at Chalmers		Associate Senior Lecturer (Biträdande	Lund University (SE)
University of Technology Personal Info		2019 - 2020	Universitetslektor) Post-Doctoral Researcher in Cryptography	Aarhus University (DK)
Nationality: Italian, Swedish		Feb - Mar 2014 - 2019	Ph.D. in Computer Science (Cryptography)	Chalmers (SE)
E-mail: elenap@chalmers.se			Thesis Title: "Be more and be merry: enhancing data	(1)
Webpage: epagnin.github.io			and user authentication in collaborative settings" 📃	
Profile	s: Google Scholar, LinkedIn	2016	Supervisor: A. Sabelfeld	Ohalmana (OF)
ODCII	Scopus D: 0000-0002-7804-6696		Licentiate Degree of Engineering Thesis Title: "Authentication under Constraints"	Chalmers (SE)
- OKOIL	J. 0000-0002-7004-0090	riug Zotti	Supervisor: A. Mitrokotsa	
Impact	(Google Scholar)		Project Officer (paid Researcher Assistant position)	Nanyang TU (SG)
•	eations: 20+		Master thesis project under Prof. F. Oggier supervision	
1	tations: 430+	2011-2013	Master's in Applied Mathematics Thesis Title: "Homomorphic Authentication Codes for	University of Trento (IT)
ľ	n-index: 12		Linear Network Coding" Score: 110 / 110, cum laude	()
	,	2008-2011	Bachelor's in Pure Mathematics	University of Padova
			Thesis Title: "Surfaces, Maps and Projections. A	(IT)
			Teaching Experience" Score: 102/110	
	 Recent Achievem 	•	· · · · · · · · · · · · · · · · · · ·	
2023	Co-PI in a seed funding awa Security Vision for Transport		mers' Areas of Advance on the topic <i>Towards a Multi-Laye</i> s <i>in the 6G Era</i>	r (0.5M SEK)
2023-2027	PI of the prestigious Startin Progressive Verification of 0	_	ded by the Swedish Research Council (VR starting) on Schemes	(4M SEK)
2020-2022	PI in a personal grant award	ed to strateg	ic research areas by the Excellence Center ELLIIT	(1.6M SEK)
2020	•		"Multi-Key Homomorphic Authenticators" (extended	
	• •	, -	ed by the IET Information Security Journal. [This kind of	J
	<u> </u>		e best research papers published during the last two years	-
0000			ts (= am the main advisor, ==	
2023 - now	Planned PhD Defense: 20 A		tion of Cryptographic Schemes (🚨)	Chalmers (SE)
2023 - now	Hanna Ek: Advanced Proper	•	al Signatures (🚨)	Chalmers (SE)
2020 11011	Planned PhD Defense: 31 De		in originatures ()	onumero (oz)
2019 - now	Ivan Oleynikov: Privacy-Pres			Chalmers (SE)
0000	Licentiate: 30 Sept 2022. Pl			
2020 - now	Planned PhD Defense: Dece	_	hnologies (🕰 T. Johansson)	Lund University (SE)
2022 - now			for the Medical Sector (. P. Stankovski-Wagner)	Lund University (SE)
	Planned PhD Defense: Septe	ember 2027	, , , , , , , , , , , , , , , , , , ,	
— Gradu	ated Students			
	Martin Gunnarsson: Securin	•	,	Lund University (SE)
2023.02.28	Hadi Sehat: Dual Deduplicat	ion in multi-c	lient setting and its applications (🕰 Prof. D. Lucani)	Aarhus University (DK)
	 Selection of Profe 	essional <i>A</i>	Activities ————————————————————————————————————	
31.01.2024	Referral to a new National la tillgänglig statlig e-legitimati		on a Swedish electronic identification system <i>En säker och</i> 3:61)	1
2021-now	Program Committee Member	er for: LatinC	rypt23, ACNS23, SEC@SAC22, ACISP21.	
2022-now	Mentor in the WISE-WWACQ	T mentorship	program	
44.45.5				
Landscape on Fortifying the I			full-day seminar on Navigating the Cybersecurity	Chalmers (SE)
			on "Cybersecurity and AI for Company Security"	Lund (SE)
	_		Progressive Verification for Cryptographic Schemes	KU Copenhagen (DK)
	·		Protocol Labs: Extended Threshold Ring Signatures	(remote)
			and the second s	\ - /

2022	Invited Speaker at the CRC seminar series at <i>TII Research Centers</i> : Progressive and Efficient Verification ■	(remote)
2022	Invited Speaker at a National hearing of researchers on "Innovative Processes for Data Intergrity and Data Sharing" organized by the Swedish Ministery for Integrity Protection (Integritetsskyddsmyndigheten - IMY)	Stockholm (SE)
2022	Invited Panelist on "Allyship and Inclusion" at CRYPTO22 □ STATE OF THE PARENT OF	Santa Barbara (CA, USA)
2021	Invited Speaker at ELLIIT initiative on Future-Oriented Research: "Enhancing Data Authentication"	Lund (SE)
2021	Participant in the Researchers' Grand Prix: Security and Privacy in the Digital Era	Helsinborg (SE)
2020	Invited Speaker at Framtidsveckan: AI, digitalisering och integritet − vad får vi för vår hälsodata? Presentation and Panel Discussion on "Contact tracing apps and their security dilemmas" □	Lund (SE)
2019	Examiner for the PhD Defence of <i>Ijlal Loutfi</i> on "Trusted Execution on Commodity Devices"	University of Oslo (NO)

Teaching	Experience
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2015-now	Master's Theses: Supervisor of 9, Examiner for 1.	Chalmers, Università di Mil	ano, Lund University
2022-now	Course Responsible for the Masters level course Cryptography (TDA352/DIT	250, 7.5hp)	Chalmers (SE)
2022	Lecturer and Co-instructor for the Masters level course Advanced Cryptographics	ohy (EITN85, 7.5hp)	Lund University (SE)
2020 - 2022	Lecturer and Course Responsible for the Masters course Advanced Web Sec	urity (EITN41, 7.5hp)	Lund University (SE)
2021	Course Responsible for the PhD level course Frontiers in Security Research (B	EIT190F, 7.5hp) 🗎	Lund University (SE)

Selected List of Publications

SCN24	Baum, David, Elena Pagnin, and Takahashi: "CaSCaDE:(Time-Based) Cryptography from Space Communications DE-
	lay". In: International Conference on Security and Cryptography for Networks (2024).

- Euros&P24 Nelson, Elena Pagnin, and Askarov: "Metadata Privacy Beyond Tunneling for Instant Messaging". In: IEEE Euros&P (2024).
- CT-RSA23 Brorsson, David, Gentile, Elena Pagnin, and Stankovski-Wagner: "PAPR: Publicly Auditable Privacy Revocation for Anonymous Credentials". In: The Cryptographers' Track at RSA Conference (2023).
- Boschini, Fiore, and Elena Pagnin: "Progressive and Efficient Verification for Digital Signatures". In: International Conference on Applied Cryptography and Network Security ACNS (2022).
- Vestergaard, **Elena Pagnin**, Kundu, and Lucani: "Secure Cloud Storage with Joint Deduplication and Erasure Protection". In: International Conference on Cloud Computing IEEE CLOUD (2022).
- PKC22 Aranha, Hall-Andersen, Nitulescu, Elena Pagnin, and Yakoubov: "Count Me In! Extendability for Threshold Ring Signatures". In: International Conference on Practice and Theory of Public-Key Cryptography PKC (2022).
- Sehat, Elena Pagnin, and Lucani: "Yggdrasil: Privacy-Aware Dual Deduplication in Multi Client Settings". In: IEEE International Conference on Communications ICC: SAC Cloud Computing, Networking and Storage Track (2021).
 - Lucani, Nielsen, Orlandi, **Elena Pagnin**, and Vestergaard: "Secure Generalized Deduplication via Multi-Key Revealing Encryption". In: Security and Cryptography for Networks (2020).
- Oleynikov, **Elena Pagnin**, and Sabelfeld: "Where Are You Bob? Privacy-Preserving Proximity Testing with a Napping Party". In: European Symposium on Research in Computer Security ESORICS (2020).
 - **PETs19 Elena Pagnin**, Gunnarsson, Talebi, Orlandi, and Sabelfeld: "TOPPool: Time-aware Optimized Privacy-Preserving Ridesharing". In: Proceedings on Privacy Enhancing Technologies (2019).
- Blazy, Bossuat, Bultel, Fouque, Onete, and Elena Pagnin: "SAID: Reshaping Signal into an Identity-Based Asynchronous Messaging Protocol with Authenticated Ratcheting". In: 2019 IEEE European Symposium on Security and Privacy EuroS&P (2019).
 - SCN18 Fiore and Elena Pagnin: "Matrioska: A Compiler for Multi-key Homomorphic Signatures". In: International Conference on Security and Cryptography for Networks SCN (2018).
 - AC16 Fiore, Mitrokotsa, Nizzardo, and Elena Pagnin: "Multi-key Homomorphic Authenticators". In: Annual International Conference on the Theory and Application of Cryptology and Information Security ASIACRYPT (2016).