Academic Personnel Short Profile / Short CV

University:	University of Patras – Hellas
Surname:	Sklavos
Name:	Nicolas
Rank:	Associate Professor
Faculty:	Polytechnic School
Department:	Computer Engineering and Informatics
Scientific Domain: *	Cryptographic Engineering, Hardware Security, Cyber Security, Digital Systems Design, Embedded Systems

* Field of Specialization

Academic qualifications (list by highest qualification)				
Qualification	**Year**	**Awarding Institution**	**Department**	**Thesis title**
PhD Degree	2004	University of Patras	Electrical and Computer Engineering	«VLSI Designs of Wireless Communications Security Systems»
Diploma and M.Sc. of Engineering	2000	University of Patras	Electrical and Computer Engineering	«Asynchronous VLSI Implementation of IDEA Algorithm»

Employment history – List by the three (3) most recent				
Period of employment		**Employer**	**Location**	**Position**
From	**To**			
06/2015	Today	University of Patras – Computer Engineering and Informatics Department	Hellas, Patra	Associate Professor
09/2015	Today	Open University of Cyprus (OUC)	Cyprus, Nicosia	Adjunct Faculty
10/2020	Today	Hellenic Open University (HOU)	Hellas, Patra	Adjunct Faculty

Key _refereed_ journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)						
Ref. Number	**Year**	**Title**	**Other authors**	**Journal and Publisher / Conference**	**Vol.**	**Pages**
1	2022	Flexible Security and Privacy, System Architecture for IoT, in Healthcare	K. Tsantikidou, N. Sklavos	30th IFIP/IEEE International Conference On Very Large Scale Integration (VLSI-SoC'22)	-	-
2	2022	IoT-Based Multi-Sensor Healthcare Architectures and a Lightweight-Based Privacy Scheme	V. Aivaliotis, K. Tsantikidou, N. Sklavos	Sensors, MDPI	Vol. 22, Issue 11	-
3	2022	Design and Implementation of a Lightweight Cryptographic Module, for Wireless 5G Communications and Beyond	E. Konstantopoulou, N. Sklavos	IEEE 2022 International Conference on Internet of Things	-	-

				and Intelligence Systems (IOTAIS'22)		
4	2021	TRESC: Towards Redesigning Existing Symmetric Ciphers	H. N. Noura, O. Salman, N. Kaaniche, N. Sklavos, A. Chehab, R. Couturier	Microprocessors and Microsystems, Elsevier	Vol. 87, Issue November	-
5	2021	On General Data Protection Regulation (GDPR) Vulnerabilities and Privacy Issues, for Wearable Devices and Fitness Tracking Applications	I. Ioannidou, N. Sklavos	Cryptography, MDPI	Vol. 5, Issue 4	-
6	2021	Cryptographic Technologies and Protocol Standards for Internet of Things	Sherali Zeadally, Ashok Kumar Das, Nicolas Sklavos	Internet of Things: Engineering Cyber Physical Human Systems, Elsevier	-	-
7	2020	Conventional and Machine Learning Approaches as Countermeasures against Hardware Trojan Attacks	K. G. Liakos, G. K. Georgakilas, S. Moustakidis, N. Sklavos, F. C. Plessas	Microprocessors and Microsystems, Elsevier	79	-
8	2020	An Efficient Implementation of A Delay-Based PUF Construction	A. Antoniadis, N. Sklavos, E. Bilge Kavun	Trustworthy Manufacturing and Utilization of Secure Devices Workshop, Design, Automation and Test in Europe Conference, (DATE'20)	-	-
9	2018	Architecture Design of an Area Efficient High Speed Crypto Processor for 4G LTE	A. N. Bikos, N. Sklavos	IEEE Transactions on Dependable and Secure Computing	15	729-741
10	2017	Hardware Security and Trust	N. Sklavos, R. Chaves, G. Di Natale, F. Regazzoni	Springer	-	-

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)					
Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	04/2015	Research Group: Cybersecurity of Computers and Networks	"Patras IQ" - International	Patra - Hellas	Head for the Research Group's Exhibition/Invited Speaker
2					
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*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2023/2024	Cryptographic and Security Mechanisms, Applied in Healthcare Technology	Hellenic Foundation for Research & Innovation	Advisor Professor
2	09/2020 – 09/2024	Network on Privacy-Aware Audio- and Video-Based Applications for Active and Assisted Living	European Commission	Working Group 2 Leader, Senior Researcher
3	03/2017 – 09/2021	MULTI-modal Imaging of FOREnsic SciEnce Evidence - Tools for Forensic Science	European Commission	Member of Management Committee, Senior Researcher

4	06/2016 – 05/2019	HORIZON 2020: Exploiting Ubiquitous Computing, Mobile Computing and the Internet of Things to promote Science Education	European Commission	Senior Researcher
5	12/2014 – 12/2018	Cryptanalysis of Ubiquitous Computing Systems (CRYPTACUS)	European Commission	Member (Substitute) of Management Committee, Senior Researcher
6	04/2014 – 04/2018	Cryptography for Secure Digital Interaction (CRYPTOACTION)	European Commission	Member (Substitute) of Management Committee, Senior Researcher
7	12/2012 – 12/2016	Trustworthy Manufacturing and Utilization of Secure Devices (TRUDEVICE)	European Commission	Member of Management Committee, Working Group 5, Co-Chair, Dissemination Manager, Senior Researcher
8	2011-2013	Students Industry Placement	European Commission & National Resources	Scientific Coordinator of the Department
9	10/2006-02/2009	FP6-2005-IST-5, "Phosphorus – Lamda User Controlled Infrastructure for European Research"	European Commission	Senior Researcher – Working Group Member
10	2005-2006	Post-Doctoral Research Project	National Institute of Scholarships - Hellas	Senior Researcher

Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
		Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.		
		List the five (5) more recent		
1	2015 - today	European Commission	Evaluator\Reviewer for European Commission R&D Projects: HORIZON 2020	Evaluator\Reviewer for Proposals and Ongoing, R&D Projects
2	2018 - today	European Commission	Evaluator\Reviewer for COST Actions: European Cooperation in Science and Technology	Evaluator\Reviewer for Proposals of COST Actions
3	2012 - today	European Commission and National Agents	Evaluator\Reviewer for International\National Projects' Calls	Evaluator\Reviewer for Proposals and Ongoing, R&D Projects for International\National Projects Calls: Croatia, Hellas, Israel, Italy, Latvia
4	2022 - today	University of Patras	Director of Interdisciplinary Graduate Program (MSc): "Integrated Systems of Hardware & Software"	Director: Academic, Scientific, Research, Educational, Management Responsibilities – Computer Engineering and Informatics Department
5	2020 - today	University of Patras	Director of the Division: Hardware and Computers Architecture	Academic, Scientific, Research, Educational, Management Responsibilities – Computer Engineering and Informatics Department

Ref. Number	Date	Title	Awarded by:
Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)			
1	2022-2025	ACM Distinguished Speaker, (three years term: 2022-2025), Topic: Security and Privacy.	ACM (Association for Computing Machinery)
2	2022	Stanford University List World's Top 2% Scientists in 2022	Stanford University
3	2002 - today	More than 3700 citations, for publications of Nicolas Sklavos	International Scientific Literature, (Source: Google Scholar, Scopus)
4	07/2017	Best Diploma Thesis Award, Student: Eleni Isa, Supervisor: Nicolas Sklavos, "On the Detection of Hardware Trojans, in Hardware Security"	Design Test Verification and EDA (DTVEDA'07) Workshop, 2017
5	2007-2016	IEEE Young Professionals (Greece) – Council's Chair	IEEE
6	12/2012	IEEE Senior Member	IEEE (New Brunswic, NJ, USA, at Admission and Advancement (A&A) Review Panel Meeting)
7	01/2012	Top Associate Editor in 2011	Computers & Electrical Engineering, Elsevier Science Press
8	01/2011	Top Associate Editor in 2010	Computers & Electrical Engineering, Elsevier Science Press
9	2005-2006	Scholarship for Post-Doctoral Research	National Institute of Scholarships - Hellas
10	12/2003	Best PhD Thesis Award, for Nicolas Sklavos	IFIP VLSI SOC Conference, Germany, 2013

Ref. Number	Date	Title	Key Activities:
	Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10)		
1	2022 – today	Member of, Task Force CS2023: ACM/IEEE-CS/AAAI Computer Science Curricula	1. Global Representation Board, 2. Knowledge Area: Security Board.
2	2011 - 2014	Information Security Journal: A Global Perspective, The Official Journal of (ISC)2, A Taylor & Francis Group Publication	Editor-In-Chief (EIC)
3	2022 – today	ACM Digital Threats: Research and Practice (DTRAP)	Associate Editor
4	2021 - today	Associate Editor, IET Networks	Associate Editor
5	2019 - today	IEEE VLSI Circuits and Systems Letter, IEEE	Associate Editor
6	2015 - today	Cryptography, MDPI Publisher	Associate Editor
7	2020 - today	Cybersecurity and Privacy, MDPI Publisher	Associate Editor
8	2018 - 2022	Microprocessors and Microsystems: Embedded Hardware Design (MICPRO), Elsevier	Associate Editor
9	2010 - 2013	IEEE Latin America Transactions, IEEE	Associate Editor
10	2004 - today	Participation to the committees of more than 350 international scientific conferences organised by IEEE, ACM, IFIP etc	Serving Roles: General Chair, Program Chair, Publication Chair, Publicity Chair, Program Committee Member, and other roles