



Academic Personnel Short Profile / Short CV

University:	University of Nicosia
Surname:	Mourouzis
Name:	Theodosis
Rank/Position:	Adjunct faculty
Faculty:	School of Business
Department:	Department of Digital Innovation
Scientific Domain: *	Cryptography, Security

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD in Computer Science	2015	University College London		
MRes Security Science	2011	University College London		
MSc Mathematics	2010	University of Cambridge		
BA/MA Mathematics	2009	University of Cambridge		



Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
01/2017	present	University of Nicosia	Nicosia, Cyprus	Adjunct faculty
04/2017	today	UCL	UK	Research Fellow
09/2015	09/2019	CIIM	Cyprus	Lecturer
09/2014	08/2015	Lloyds Banking Group	UK	Security SME
12/2013	03/2014	University College London	UK	Teaching Fellow
09/2011	08/2015	University College London	UK	Researcher

Key <u>refereed</u> 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	2016	Hypothesis Testing and Advanced Distinguishers in Differential Cryptanalysis of Block Ciphers	Theodosios Mourouzis, Nicolas Courtois	Tatra Mountains, Mathematical Publications	64	1-14
2	2015	Advanced Truncated Differential Attacks Against GOST block cipher and its variants	Theodosios Mourouzis, Nicolas Courtois	Computation, Cryptography and Network Security	n/a	n/a
3	2014	Combined Truncated Differential-Algebraic Attacks against reduced-round SIMON	Nicolas Courtois, Theodosios Mourouzis, Guangyan Song, Pouyan Sepehrad, Petr Susi	SECRYPT 2014	n/a	399-404
4	2014	On Optimal Size in Truncated Differential Attacks	Nicolas Courtois, Theodosios Mourouzis, Anna Grochowska-Czurylo, Jean-Jacques Quisquater	CECC 2014	n/a	n/a
5	2014	Advanced Differential Cryptanalysis and GOST Cipher	Nicolas T. Courtois, Theodosios Mourouzis	IMA Conference on Mathematics in Defence	n/a	n/a
6	2015	Can GOST Be Made Secure Against Differential Cryptanalysis?	Nicolas Courtois, Theodosios Mourouzis, Michal Misztal, Jean-Jacques Quisquater and Guangyan Song	Cryptologia	39(2)	145-156



ΔΙΠΑΕ
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ΦΟΡΕΑΣ ΔΙΑΣΦΑΛΙΣΗΣ ΚΑΙ ΠΙΣΤΟΠΟΙΗΣΗΣ ΤΗΣ ΠΟΙΟΤΗΤΑΣ ΤΗΣ ΑΝΩΤΕΡΗΣ ΕΚΠΑΙΔΕΥΣΗΣ
CYPRUS AGENCY OF QUALITY ASSURANCE AND ACCREDITATION IN HIGHER EDUCATION



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7	2015	Optimizations in algebraic and differential cryptanalysis	Theodosios Mourouzis	UCL	n/a	n/a
8	2013	Nicolas T. Courtois, Theodosios Mourouzis, Michal Misztal	Nicolas T. Courtois, Theodosios Mourouzis, Michal Misztal	SECRYPT 2013	n/a	411-418



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	1/9/2017 - 31/8/2018	Transport Analytics Centre of Excellence (TrACE) (Teaming – Phase I)	UK CDE	Research Associate
2	23/5/2017 - 22/12/2019	BLOCKCHAIN TECHNOLOGY FOR ALGORITHMIC REGULATION AND COMPLIANCE (BARAC)	EPSRC	Research Associate

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



**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	01/08/2018 - Present	Frontiers in Blockchain	Associate Editor	Associate Editor
2	26/09/2018 - Present	Cyprus Mathematical Society	Board Member	Board Member
3	TBA	Ad Hoc Blockchain Committee for the Government of Cyprus (Technology Track)	Head of Tech Committee	Advising on Blockchain Applications
4	01/09/2015 - 01/09/2016	Lloyds Banking Group	Security SME	Cryptography
5	01/01/2020-Currently	MSC SHIPMANAGEMENT	Blockchain Consultant	Confidential
6	01/03/2021-Currently	European Commission	Blockchain Consultant	Confidential



**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1	2012	Nicolas Courtois, Daniel Hulme and Theodosis Mourouzis: Multiplicative Complexity and Solving Generalized Brent Equations with SAT Solvers. IARIA 2012: 22-27 (Best Paper Award)	
2	2002	Balkan Mathematical Olympiad (BMO Turkey 2002)	
3	2003	Balkan Mathematical Olympiad (BMO Albania 2003)	
4	2001	Balkan Mathematical Olympiad (BMO Cyprus 2001)	