



Academic Personnel Short Profile / Short CV

University:	Open University of Cyprus
Surname:	Belk
Name:	Marios
Rank:	Adjunct Faculty
Faculty:	Faculty of Pure and Applied Sciences
Department:	
Scientific Domain: *	Human-centered Computing, Intelligent User Interfaces, Human-Computer Interaction, Usable Security

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title
Ph.D.	2015	University of Cyprus	Computer Science	Adaptive Usable Security: Personalizing User Authentication and CAPTCHA based on Individual Differences in Cognitive Processing
M.Sc.	2009	University of Cyprus	Computer Science	The smarTag Framework for the Dynamic Reconstruction of Adaptive Web Content
B.Sc.	2007	University of Cyprus	Computer Science	Personalizing eLearning Environments based on Users' Cognitive Factors - The AdaptiveWeb System

Employment history – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
2009	present	University of Cyprus	Nicosia, Cyprus	Research Scientist
2018	2019	UCLan Cyprus	Larnaka, Cyprus	Lecturer
2012	2015	IdMind Engineering Systems	Lisbon, Portugal	Marie Curie Research Fellow

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	2020	An eye gaze-driven hotspots-oriented metric for improving the security of graphical password systems	Constantinides, A., Belk, M., Fidas, C., Pitsillides, A.	ACM Intelligent User Interfaces (IUI 2019), ACM Press		to appear
2	2019	A human-cognitive perspective of users' password choices in recognition-based graphical authentication	Katsini, C., Fidas, C., Belk, M., Samaras, G., Avouris, N.	Journal of Human-Computer Interaction, Taylor & Fancis		to appear
3	2019	The SERUMS tool-chain: Ensuring security and privacy of medical data in smart patient-centric healthcare systems	Janjic, V., Bowles, J., Vermeulen, A.F., Silvina, A., Belk, M., Fidas, C., Pitsillides, A., Kumar, M., Rossbory, M., Vinov, M., Given-Wilson, T., Legay, A., Blackledge, E., Arredouani, R., Stylianou, G., Huang, W.	IEEE BigData Conference 2019, IEEE		to appear
4	2019	"I recall this picture": Understanding picture password selections based on users' sociocultural experiences	Constantinides, A., Fidas, C., Belk, M., Pitsillides, A.	ACM Web Intelligence (WI 2019), ACM Press		408-412
5	2019	Influences of mixed reality and human cognition on picture passwords: An eye tracking study	Fidas, C., Belk, M., Hadjidemetriou, G., Pitsillides, A.	IFIP INTERACT 2019, Springer-Verlag		304-313

6	2019	Picture passwords in mixed reality: Implementation and evaluation	Hadjidemetriou, G., Belk, M., Fidas, C., Pitsillides, A.	ACM SIGCHI Human Factors in Computing Systems (CHI 2019), ACM Press		
7	2018	Influences of human cognition and visual behavior on password security during picture password composition	Katsini, C., Fidas, C., Raptis, G., Belk, M., Samaras, G., Avouris, N.	ACM SIGCHI Human Factors in Computing Systems (CHI 2018), ACM Press		Paper 87
8	2018	Eye gaze-driven prediction of cognitive differences during graphical password composition.	Katsini, C., Fidas, C., Raptis, G., Belk, M., Samaras, G., Avouris, N.	ACM Intelligent User Interfaces (IUI 2018), ACM Press		147-152
9	2017	The interplay between humans, technology and user authentication: a cognitive processing perspective	Belk, M., Fidas, C., Germanakos, P., Samaras, G.	Computers in Human Behavior, Elsevier	76	184-200
10	2015	Do human cognitive differences in information processing affect preference and performance of CAPTCHA?.	Belk, M., Fidas, C., Germanakos, P., Samaras, G.	International Journal of Human-Computer Studies, Elsevier	84	1-18

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	September 2019	<i>Paper:</i> Influences of mixed reality and human cognition on picture passwords: An eye tracking study	International	IFIP INTERACT 2019, Pafos, Cyprus	Paper presenter
2	July 2019	<i>Workshop:</i> Adaptive and Personalized Privacy and Security	International	ACM UMAP 2019, Larnaka, Cyprus	Workshop co-organizer, paper presenter
3	September 2018	<i>Paper:</i> On sociocultural-centered graphical passwords: An initial framework	International	ACM MobileHCI 2018 Barcelona, Spain	Paper presenter

4	March 2018	<i>Paper:</i> Eye gaze-driven prediction of cognitive differences during graphical password composition	International	ACM IUI 2018 Tokyo, Japan	Paper presenter
5	August 2017	<i>Paper:</i> Sweet-spotting security and usability for intelligent graphical authentication mechanisms	International	ACM Web Intelligence 2017 Leipzig, Germany	Paper presenter
6	July 2016	Workshop on Human Aspects in Adaptive and Personalized Environments <i>System demo:</i> Cogniwin: An integrated framework to support older adults at work	International	ACM UMAP 2016 Halifax, Nova Scotia, Canada	Workshop co-organizer, paper presenter
7	December 2015	<i>Paper:</i> Towards a human-centered e-commerce personalization framework	International	ACM Web Intelligence 2015 Singapore	Paper presenter
8	April 2015	<i>Paper:</i> iHIP: Towards a user centric individual human interaction proof framework	International	ACM CHI 2015, Seoul, South Korea	Paper presenter
9	July 2014	<i>Paper:</i> A personalisation method based on human factors for improving usability of user authentication tasks	International	UMAP 2014 Aalborg, Denmark	Paper presenter
10	April 2012	<i>Paper:</i> Do cognitive styles of users affect preference and performance related to captcha challenges?	International	ACM CHI 2012 Austin, TX, USA	Paper Presenter

*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	2019-2022	826278: Securing Medical Data in Smart Patient-Centric Healthcare Systems (Serums)	EU-H2020	Research Coordinator of UCY's team and Work Package Leader (WP5 – Authentication and Trust)

2	2016-2018	AAL-2016-089: SUCCESS - SUccessful Caregiver Communication and Everyday Situation Support in dementia care	EU-AAL	Research Team Member
3	2015-2018	H2020-PHC-2014: GrowMeUp	EU-H2020	Research Team Member
4	2014-2016	AAL-2013-6-114: CogniWin - Cognitive Support for Older Adults at Work	EU-AAL	Technical Manager
5	2013-2016	FP7-ICT-2013-10: Miraculous-Life for Elderly Independent Living	EU-FP7	Research Team Member
6	2012-2015	PersonaWeb - Personalizing Generic Web Environments	Research Promotion Foundation Cyprus	Technical Manager
7	2011-2015	FP7-PEOPLE-2011-IAPP-285870: Social Robot to Support Elderly at Home	EU-FP7 Marie Curie Actions	Marie Curie Research Fellow
8	2010-2012	SmarTag Framework for the Adaptation of Generic Web Environments	University of Cyprus	Technical Manager
9	2009-2011	MELCO - Mobile Elderly Living Community	Research Promotion Foundation Cyprus	Research Team Member

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

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

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2018-2019	ACM User Modeling, Adaptation and Personalization Conference (UMAP 2019)	Publicity Chair	Responsible for publicity activities of the conference
2	2019	Workshop on Adaptive and Personalized Privacy and	Workshop Co-Organizer	Organization of an international workshop, collocated at the ACM UMAP 2019 conference

		Security (APPS 2019)		
3	2016	Workshop on Human Aspects in Adaptive and Personalized Interactive Environments (HAAPIE 2016)	Workshop Co-Organizer	Organization activities of an international workshop, collocated at the ACM UMAP 2016 conference

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Title	Awarded by:
1	2016	PhD Finalist at the ERCIM 2016 Cor Baayen Young Researcher Award	European Research Consortium for Informatics and Mathematics, 2016
2	2016	H2020 Seal of Excellence for a high-quality project proposal in a highly competitive evaluation process	Horizon 2020 Marie Skłodowska-Curie actions
3	2014	Best Paper Award Nomination and Honorable Mention	International Conference on User Modeling, Adaptation and Personalization (UMAP 2014)
4	2013	Best Paper Award	International Conference on Human Factors in Computing and Informatics (SOUTH-CHI 2013)

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

Ref. Number	Date	Title	Key Activities:
1			
2			
3			
4			