Keuropass	Curriculum Vitae	Martina Panfili
PERSONAL INFORMATION	Martina Panfili	
WORK EXPERIENCE		
January 2015 – Present	Project Manager Consortium for the Research in Automation and Telecommunications C 29 - 00195 Rome - <u>http://www.crat.eu/</u> Within the Crat Consortium (founded and owned by Thales Alenia Sp Sapienza" Politecnico di Bari and TopNetwork), responsible of the pro activities in the field of control theory applied to network resource mar coordination of EC, ESA or National funded projects for the following EU funded projects: H2020 BONVOYAGE, H2020 A H2020 SESAME, CLIPS (PON-MISE), H2020 5G-SOLUTION, ARIE Attività o settore R&D	RAT – Via Giovanni Nicotera, bace, University of Rome "La bject management, R&D nagement and support to TENA, H2020 5G-ALL STAR, S (ESA).
July 2010 – Present	 Project Engineer Department of Computer, Control, and Management Engineering Antor University of Rome - Via Ariosto, 25 - 00185 Rome - http://www.diag.um R& D activities in the field of control theory applied to network Internet and Security. Support, as project and task manager, to coordination of EC for For the following project: FP7 FI-WARE, FP7 FI-CORE, FP7-Artemis nSHIELD and PON PLAT Business or sector R&D 	nio Ruberti at Sapienza <u>iroma1.it/</u> resource management, Future iunded projects TINO
July 2010 – October 2015	 Project Engineer Consortium for the Research in Automation and Telecommunications C 29 - 00195 Rome - http://www.crat.eu/ Within the Crat Consortium (founded and owned by Thales Alenia Spa Sapienza" Politecnico di Bari and TopNetwork), responsible of: Systems engineering activities R& D activities in the field of control theory applied to network Support, as project and task manager, to coordination of EC free. Support to proposal preparation and project negotiation For the following projects: H2020 BONVOYAGE, FP7 SWIPE, FP7 T-PLATINO, FP7 DLC + VIT4IP Business or sector R&D 	RAT – Via Giovanni Nicotera, ace, University of Rome "La resource management. unded projects -NOVA, FP7 MONET, , PON
September 2007 – February 2009	 Lean Engineer in Organisation and industrial methods Sanofi S.p.A. Via Valcanello 4, 03012 Anagni (FR) Italy In the Industrial Method Organization Department responsible of: Management of strategic projects in terms of priority, timing, re Performances improvement; capacity management; KPI's mode (OEE, productivity,RFT,PCT). Involved in Dry Fog Project (an innovative aerosol-based disinfection scritical areas represents an effective alternative to disinfection procedures ponsible of Dry Fog Sensor Network: User Requirements Specification System Description Instruction Qualification Operation Qualification 	esources and investments. onitoring and management system for cleanrooms and ures that use formaldehyde),



Curriculum Vitae

Business or sector Manufactoring (Life Sciences Companty)

EDUCATION AND TRAINING							
November 2010 – April 2014	Doctor of Philosophy Ph.D. in System Engineering University of Rome "La Sapienza"						
	The main objective of the research activity was to develop innovative solutions in the fields of Resource Management, Future Internet, Network Planning and Security through the use of advanced control and optimization techniques						
October 2006 – July 2010	Master's degree in Control Engineering (Final grade 110/110 - D.M. 509/99 italian degree class n 29/S)						
	Faculty of Engineering- University of Rome "La Sapienza" Thesis: "A Connection Admission Control Strategy with Blocking Chances on Markov Decision-Ma Processes"						
	Developing an innovative approach to call admission control with constraints on blocking probabilities based on approximate Markov decision making and on Reinforcement Learning. The project was developed under the framework of the Seventh Framework Program (MONET) Mechanisms for Optimization of hybrid ad-hoc and satellite NETworks.						
February 2009 – March 2010	First Level Master, Specialist Course "Design and Manufacturing of Advanced Materials" (1500 hours) within RESEARCH PROJECT FADTAD LABNET (Creating a network of laboratories for the design and assessment on Failure Analysis and Damage Tolerance - Approved by the Decree of 11/12/2006 MIUR prot. n. 2861/Ric.)						
	Faculty of Engineering-	University of Cassi	ino				
	- technologies for the in	- technologies for the innovative use of materials and the design and production of innovative					
	materials in aerospace and aeronautics; - problems of business management with particular reference to research and technology transfer of the Durability, the Damage Tolerance and the Operational Readiness						
November 2002 – September 2006	 vember 2002 – September 2006 Bachelor's degree in Automatic Control Engineering (Final grade 106/110 - D.M. 509/99 italian degree class n.9) 						
	Faculty of Engineering-	University of Rome	e "La Sapienza"				
	Thesis: "Markov decision processes to formulate a Admission Control problem in UMTS networks", developed in EUQoS Project under FP6 Program.						
PERSONAL SKILLS							
Mother tongue	Italian						
Other language	UNDERSTANDING		SPEAKING		WRITING		
	Listening	Reading	Spoken interaction	Spoken production			
English	B2	C1	B1	B1	B2		
	Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user Common European Framework of Reference for Languages						
Communication skills	Very good communication skills gained through my experience as Project Engineer and Project Manager						
Organisational / managerial skills	Excellent organizatior Manager in Europear	nal and managerial research projects (skills gained through responsible for vario	my experience as Ta ous teams of 4-5 peop	ask and project ble)		



Digital competence	SELF-ASSESSMENT							
	Info	prmation	Communication	Content creation	Safety	Problem solving		
	Profi	cient user	Proficient user	Independent user	Proficient user	Proficient user		
	Levels: Basic user - Independent user - Proficient user Digital competences - Self-assessment grid							
	Exceller Exceller Exceller	at command at command at command	of Microsoft Office si of Matlab, Simulink e of Windows e Mac C	ute (Word, Explorer, e Stateflow, Prodotti c DS.	excel, access, powe la Mathwork.	rpoint, outlook,).		
Other skills	PhotographyEmbroidery and knitting							
Driving licence	В							
ADDITIONAL INFORMATION								
Publications	Articoli su rivista:							
	 Pietrabissa, A., Priscoli, F. D., Di Giorgio, A., Giuseppi, A., Panfili, M., & Suraci, V. (2017). An approximate dynamic programming approach to resource management in multi-cloud scenarios. <i>International Journal of Control</i>, 90(3), 492-503. 							
	 Panfili, M., Pietrabissa, A., Oddi, G., & Suraci, V. (2016). A lexicographic approach to constrained MDP admission control. <i>International Journal of Control</i>, 89(2), 235-247. 							
	 Fiaschetti, A., Morgagni, A., Panfili, M., Lanna, A., & Mignanti, S. Attack-Surface metrics, OSSTMM and Common Criteria based approach to "Composable Security" in Complex Systems. <i>in press in</i> WSEAS Transactions on Systems. 							
	 Battilotti, S., Priscoli, F. D., Giorgi, C. G., Panfili, M., Pietrabissa, A., Monaco, S., & Suraci, V. (2015). Approaches for Future Internet Architecture Design and Quality of Experience (QoE) Control. WSEAS Transactions on Communication, 14(2015), 62-73. 							
	5.	Canale, S., I planning ar <i>Smart Grid</i>	Di Giorgio, A., Lanna, <i>I</i> nd routing in medium v <i>I</i> , <i>4</i> (2), 711-719.	A., Mercurio, A., Panfil voltage powerline comm	i, M., & Pietrabissa, A nunications networks.	. (2013). Optimal IEEE Transactions on		
	Capitoli di Libro:							
	1.	Suraci, V., M R. (2017). T Dependabili	Iorgagni, A., Fiaschetti he SHIELD Approach ity for Cyberphysical S	, A., Di Giorgio, A., Pa . In <i>Measurable and Co</i> <i>ystems</i> (pp. 127-180). C	nfili, M., Liberati, F., omposable Security, P. CRC Press.	& Uribeetxeberria, rivacy, and		
	Proceeding di conferenza:							
	1.	Panfili, M., Gar June). A Gar Agent Reinf <i>(MED)</i> (pp. 4	Giuseppi, A., Fiaschett me-Theoretical Approa forcement Learning. In 460-465). IEEE.	i, A., Al-Jibreen, H. B., ach to Cyber-Security o 2018 26th Mediterrand	Pietrabissa, A., & Pris f Critical Infrastructure ean Conference on Co	coli, F. D. (2018, es Based on Multi- ntrol and Automation		
	2.	Canale, S., I future intern <i>Automation</i>	Di Giorgio, A., Lisi, F., aet oriented user centric (MED), 2016 24th Me	Panfili, M., Celsi, L. R. extended intelligent tra diterranean Conference	., Suraci, V., & Priscoli ansportation system. In <i>e on</i> (pp. 1133-1139). I	i, F. D. (2016, June). A a <i>Control and</i> EEE.		
	3.	Stefano, B.,	Francesco, D. P., Clau	lio, G. G., Salvatore, M	I., Martina, P., Antonic	, P., & Vincenzo, S.		

 Stefano, B., Francesco, D. P., Claudio, G. G., Salvatore, M., Martina, P., Antonio, P., ... & Vincenzo, S. (2015, July). A multi-agent reinforcement learning based approach to Quality of Experience control in



Curriculum Vitae

Future Internet networks. In Control Conference (CCC), 2015 34th Chinese (pp. 6495-6500). IEEE.

- Antonio, P., Stefano, B., Francisco, F., Alessandro, G., Guido, O., Martina, P., & Vincenzo, S. (2015, July). Resource management in multi-cloud scenarios via reinforcement learning. In *Control Conference (CCC), 2015 34th Chinese* (pp. 9084-9089). IEEE.
- Celsi, L. R., Battilotti, S., Cimorelli, F., Giorgi, C. G., Monaco, S., Panfili, M., ... & Priscoli, F. D. (2015, June). A Q-learning based approach to quality of experience control in cognitive Future Internet networks. In *Control and Automation (MED), 2015 23th Mediterranean Conference on* (pp. 1045-1052). IEEE.
- Panfili, M., & Pietrabissa, A. A lexicographie approach to constrained MDP Admission Control. In 21st Mediterranean Conference on Control and Automation, (MED) 2013, pp. 1428–1433.
- Oddi, G., Panfili, M., Pietrabissa, A., Zuccaro, L., & Suraci, V. (2013, December). A resource allocation algorithm of multi-cloud resources based on Markov Decision Process. In *Cloud Computing Technology and Science (CloudCom), 2013 IEEE 5th International Conference on* (Vol. 1, pp. 130-135). IEEE.
- F. Cimorelli, M. Panfili, S. Battilotti, F. Delli Priscoli, C. Gori Giorgi, and S. Monaco, "An Approach Based on Reinforcement Learning for Quality of Experience (QoE) Control," in Proceedings of the 18th International Conference on Computers (part of CSCC '14), Santorini Island, Greece, July 17-21, 2014, ISBN: 978-1-61804-237-8.
- A. Fiaschetti, A. Lanna, A. Morgagni, M. Panfili, S. Mignanti, R. Cusani, G. Scarano, A. Pietrabissa, F. Delli Priscoli, "Control Architecture to Provide E2E security in Interconnected Systems: the (new) SHIELD Approach", in Proceedings of the 18th International Conference on Computers (part of CSCC '14), Santorini Island, Greece, July 17-21, 2014, ISBN: 978-1-61804-237-8.
- Canale, S., Priscoli, F. D., Di Giorgio, A., Lanna, A., Mercurio, A., Panfili, M., & Pietrabissa, A. (2012, July). Resilient planning of powerline communications networks over medium voltage distribution grids. In *Control & Automation (MED), 2012 20th Mediterranean Conference on* (pp. 710-715). IEEE.
- Dati personali

La sottoscritta autorizza al trattamento dei miei dati personali, secondo quanto previsto dal D.Lgs. 196/2003 modificato con D.Lgs. n. 101/2018.

Roma 12/05/2021

Martin Daf