MODULO C

BANDO PUBBLICO PER LA SELEZIONE DI PROPOSTE PROGETTUALI, FINALIZZATE ALLA CONCESSIONE DI FINANZIAMENTI PER ATTIVITA' COERENTI CON IL PROGRAMMA A VALERE SULLE RISORSE DEL PIANO NAZIONALE RIPRESA E RESILIENZA (PNRR) MISSIONE 4, "ISTRUZIONE E RICERCA" - COMPONENTE 2, "DALLA RICERCA ALL'IMPRESA" - LINEA DI INVESTIMENTO 1.4, FINANZIATO DALL'UNIONE EUROPEA – NEXTGENERATIONEU", PROGETTO "ICSC" "National Centre for HPC, Big Data and Quantum Computing (HPC)" Codice progetto CN00000013, CUP C83C22000560007.

CURRICULUM VITAE

PERSONAL INFORMATION	Angelo Ciaramella
	Dipartimento di Scienze e Tecnologie, Università degli Studi di Napoli Parthenope, Centro Direzionale di Napoli, I-80143, Napoli
	Tel.: 0815476674 Mobile: +393287496369
	E-mail: angelo.ciaramella@uniparthenope.it
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	Sex: M / Date of birth (27/04/1973)
	h-index: 19 Total citations: 1017 Scopus

Enterprise	**University**	**EPR**
☐ Management Level	☒ Full professor	☐ Research Director and 1st level Technologist/First Researcher and 2nd level Technologist
☐ Mid-Management Level	☐ Associate professor	☐ Level III Researcher and Technologist
☐ Employee/worker level	☐ Researcher and Technologist of IV, V, VI and VII level/Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level/Technical collaborator

WORK EXPERIENCE	
2007 - present	POSITION: Assistant Professor (2007), Associate Professor (2015), Full Professor (2021)

	Università degli Studi di Napoli Parthenope
	Research Topics: Computational Intelligence, Machine Learning, Data Mining, Signal Processing, Computer Vision
	Research or Industry: Research

EDUCATION AND TRAINING

2003	PhD in Computer Science
	Università degli Studi di Salerno
	Topics: Soft Computing, Data Mining, Machine Learning
1998	M. Sc. in Computer Science
	Università degli Studi di Salerno
	Topics: Principal Component Analysis Neural Network, Signal Processing, Machine Learning

PROJECTS (last five years)

2018–present	**With leadership roles**
	SMARTWIN (PI, MISE, total cost 6.834.056,25 euro); EXPREMIA (local PI, MISE, approved); P.L.I 4.0 (local investigator, H2020, total cost 2.906.250 euro); FF4EuroHPC (AI investigator); EU-FORA Risk Assessment Fellowship Program of the EFSA (Scientific responsibility for Deep-Machine Learning and XAI activities); DESTDA, Spanish Ministry of Science and Innovation (Deep Learning and XAI expert); GNCS 2020 (co-PI)
	Project reviewer
2018-present	Member of the Scientific Experts Register of the MIUR (REPRISE)

COMMUNITY SERVICE (last five years)

TPC Chair	General Chair: BBCC 2023; ITADATA 2023; PDP 2023; WILF 2021; IDCS 2019 Technical chair: CIBB 2018 (Bioinformatics Technical Chair) Steering Committee: Workshop on Fuzzy Logic and Applications (WILF)
Workshops co-Chair	Special Sessions: IJCNN 2024; ICIAP 2021; IEEE EAIS 2022; IEEE EAIS 2020; WIRN 2019; CIBB 2018; FUZZ-IEEE 2017
TPC member	IJCNN, FUZZ-IEEE, IEEE EAIS, WIRN, CIBB, IDC, FUZZ-IEEE, IEEE EAIS, A2IA, AIxHealth, GCIS, ICIC, MELECON
Regular Reviewer	Main recent journals (5): IEEE Transactions on Fuzzy Systems; IEEE Transactions on Cybernetics; Fuzzy Sets and Systems; Information Sciences (Springer); BMC Bioinformatics. Main recent conferences (5): IJCNN; FUZZ-IEEE; WIRN; CIBB; ICIAP.

EDITORIAL ACTIVITY

2018-present	Area Editor: Soft Computing (Springer); Associate Editor: Information Sciences (Elsevier); PeerJ Computer Science; Advances in Computational Intelligence (Springer); IJAIT (World Scientific)
2018-present	Guest Editor: Modeling imprecise information and knowledge to improve explainability in AI (Information Sciences, Elsevier); Human-Centered Intelligent System (Soft Computing, Springer); Technology and Applications

	of Brain-Computer Interfaces (Electronics); Selected papers from the 15th and 16th international conference on Computational Intelligence Methods for Bioinformatics and Biostatistics (2021) (BMC Bioinformatics); Recent Machine Learning Applications to Internet of Things (IoT) (Electronics); Volume Editor: PDP 2023 (IEEE); WILF 2021 (CEUR-WS); CIBB 2018 (LNBI, Springer); IDCS 2019 (LNBI, Springer)

PHD SUPERVISION

2019-present	Emanuel Di Nardo, PhD in Computer Science, Università degli Studi di Milano (XXXIV Cycle); Gennaro Mellone and Ciro Giuseppe de Vita (member of the panel), Environmental phenomena and risks (FERIA), Università degli Studi di Napoli Parthenope (XXXVII Cycle); Stefano Fiscale (member of the panel), Environment, Resources and Sustainable Development, Università degli Studi di Napoli Parthenope (XXXVIII Cycle); Gennaro Iannuzzo, Antonio Di Marino (member of the panel), Vincenzo Bevilacqua (member of the panel) National AI PhD program in A&E (XXXIX Cycle).

TEACHING

2019-present	M.Sc. in Computer Science, University of Napoli Parthenope (Machine Learning and Big Data): Machine Learning , Intelligent Signal Processing
2018-present	B.Sc. in Computer Science, University of Napoli Parthenope: Programming I, Programming II, Programming III

INSTITUTIONAL RESPONSABILITIES

2019-present	Coordinator of B.Sc. in Computer Science; Director of the CI&SS Lab; Director of the Apple iOS Foundation; Director of the nodes of the CINI Labs: Big Data (board member and AI delegate), InfoLife and Digital Health; Member of the research and third mission committee; Member of the ITS ICT CAMPUS Steering Board; Master board member (Master in Entrepreneurship and Innovation Management (with MIT, USA), Entrepreneurship and Innovation Management; Integrated Maritime Logistics)
2018-present	Member of: CEV (ANVUR), ASN (Eligible for commission, 2023), VQR (Eligible for commission, 2023)

INVITED TALKS

2018-present	Keynote: Expo 2020 Dubai (2022, 2023); VNU-ITI WORKSHOP on SMART HEALTH, Vietnam, 2021; PDP 2023.

FELLOWSHIPS AND AWARDS

2018-present	IEEE (Senior Member) - IEEE Computational Intelligence Society - IEEE Signal Processing; SIREN; AIxIA; CVPL; Enterprise Europe Network; CLAIRE; Active member of IEEE Italy Section CIS Chapter; Task Force on Explainable Fuzzy Systems; CoNISMa; Working group on Machine Learning in Marine Science (WGMLEARN); member of CLAIRE COVID-19 task force; member of

	EXplaNAts group; ENEA (Enterprise Europe Network) member; member of Task Force on Explainable Fuzzy Systems. Third mission: 3 TV interviews (TGR Campania); 1 article on Ateneapoli AWARD: Outstanding Service IDCS2019

ADDITIONAL INFORMATION

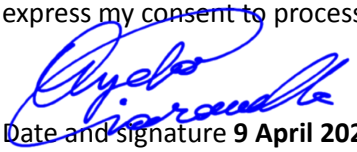
2018-present	ASN - qualification as full professor in INF/01 and ING-INF05
2018-present	Main research interests: Computational Intelligence, Machine Learning, Data Mining, Signal Processing, Computer Vision and Bioinformatics. Main research applications: Environmental science, astrophysics, meteorology, air quality, multimedia data, brain-computer interface. Additional roles: GRIN Parthenope representative; Member of the PhD Board "Computational and Quantitative Biology" of the University of Naples Federico II;

PUBBLICATIONS

Publications best and most relevant in the last 10 years	1. Tracking vision transformer with class and regression tokens, E. Di Nardo, A. Ciaramella, Information Sciences, 619, pp. 276-287, doi.org/10.1016/j.ins.2022.11.055, 2023; 2. A new biomarker panel of ultraconserved long non-coding RNAs for bladder cancer prognosis by a machine learning based methodology, A. Ciaramella, E. Di Nardo, D. Terracciano, L. Conte, F. Febbraio, A. Cimmino, BMC Bioinformatics, 23, art. no. 569, doi.org/10.1186/s12859-023- 05167-6, 2022; 3. Prediction of environmental missing data time series by Support Vector Machine Regression and Correlation Dimension estimation, F. Camastra, V. Capone, A. Ciaramella, A. Riccio, A. Staiano, Environmental Modelling and Software, 50, art. no. 105343, doi.org/10.1016/j.envsoft.2022.105343, 2022; 4. Adaptive One-Class gaussian processes allow accurate prioritization of oncology drug targets, A. de Falco, Z. Dezso, F. Ceccarelli, L. Cerulo, A. Ciaramella, M. Ceccarelli, Bioinformatics, 37 (10), pp. 1420-1427, doi.org/10.1093/bioinformatics/btaa968, 2021; 5. Data Integration by Fuzzy Similarity-Based Hierarchical Clustering, A. Ciaramella, D. Nardone, A. Staiano, BMC Bioinformatics, 21, 350, doi.org/10.1186/s12859-020-03567- 6, 2020; 6. Record linkage of banks and municipalities through multiple criteria and neural networks, A. Maratea, A. Ciaramella, G. P. Cianci, PeerJ Computer Science, 6, no. 258, doi: 10.7717/peerj-cs.258, 2020; 7. Predictive reliability and validity of hospital cost analysis with dynamic neural network and genetic algorithm, L. H. Son, A. Ciaramella, D. T. Thu, A. Staiano, T. M. Tuan, P. Van Hai, Neural Computing and Applications, doi: 10.1007/s00521-020-04876-w, 2020; 8. A Sparse-Modeling Based Approach for Class Specific Feature Selection, D. Nardone, A. Ciaramella, A. Staiano, PeerJ Computer Science, 5:e237, doi.org/10.7717/peerj-cs.237, 2019; 9. Spatio-temporal learning in predicting ambient particulate matter concentration by multi-layer perceptron, E. Chianese, F. Camastra, A. Ciaramella, T. C. Landi, A. Staiano, A. Riccio, Ecological Informatics, 49, pp. 54-61, 2019; 10. A fuzzy decision system for genetically modified plant environmental risk assessment using Mamdani inference, F. Camastra,

	A. Ciaramella, V. Giovannelli, M. Lener, V. Rastelli, A. Staiano, G. Staiano, A. Starace, Expert Systems with Applications, 42 (3), pp. 1710-1716, ISSN: 09574174, doi: 10.1016/j.eswa.2014.09.041, 2015.

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV.



Date and signature **9 April 2024, Angelo Ciaramella**