

Curriculum



Nome Name:	MICHELANGELO
Cognome Surname:	CECI

ORCID:	0000-0002-6690-7583
Scopus Author ID:	6701472018
WOS Author ID:	n.d.
Sito WEB WEB site:	https://kdde.di.uniba.it/people/michelangelo-ceci/

POSIZIONE PROFESSIONALE ATTUALE / CURRENT PROFESSIONAL POSITION:

Posizione attuale Current position:	In servizio
Qualifica Qualification:	Professore Ordinario (L. 240/10)
Ateneo/Ente/Azienda University/Institution/Company:	Università degli Studi di BARI ALDO MORO
Nazione Ateneo/Ente/Azienda University/Institution/Company Country:	ITA
Anno inizio Start Year:	2022
Anno fine End Year:	n.d.

PRECEDENTI ESPERIENZE LAVORATIVE (ULTIMI 10 ANNI) / PREVIOUS WORK EXPERIENCE (LAST 10 YEARS):

Qualifica Qualification:	Professore Associato (L. 240/10)
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Ateneo/Ente/Azienda University/Institution/Company	Università degli Studi di BARI ALDO MORO
Posizione Sede Lavorativi (indicare Nazione e Città) Workplace Location (specify Country and City):	n.d.
Anno inizio Start Year:	2015
Anno fine End Year:	2022
Descrizione Description:	

LINGUE / LANGUAGES:

Lingua Language:	Inglese
Scrittura Writing:	C1
Comunicazione Communication:	C1

AREA/SETTORE SCIENTIFICO-DISCIPLINARE / AREA/SECTOR SCIENTIFIC-DISCIPLINARY

Area scientifico-disciplinare Area scientific-disciplinary:	Scienze matematiche e informatiche
Area scientifico-disciplinare codice Area scientific-disciplinary code:	01
Settore scientifico-disciplinare codice Sector scientific-disciplinary code:	-Informatica
Settore scientifico-disciplinare codice Sector scientific-disciplinary code:	-INFO-01/A

DESCRIZIONE DEI PRINCIPALI RISULTATI SCIENTIFICI CONSEGUITI NEGLI ULTIMI 10 ANNI (CON ANNESSO ELENCO DI MASSIMO 10 PUBBLICAZIONI) / DESCRIPTION OF THE MAIN SCIENTIFIC RESULTS ACHIEVED IN THE LAST 10 YEARS (WITH ATTACHED LIST OF MAXIMUM 10 PUBLICATIONS):

Descrizione Description:	<i>Michelangelo Ceci graduated with honors in Computer Science at the University of Bari Aldo Moro in 2001 and began his scientific activity by participating in the European project SPIN!. He continued with a PhD in Computer Science (2001-2004), became a researcher in 2005 and associate professor in 2015, obtaining the qualification as full professor in the sectors INF/01 and ING-INF/05 in 2016. Since August 2019 he has also been Senior Research Fellow at the Jožef</i>
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	<p><i>Stefan Institute (Slovenia). His research focuses on databases, data mining and artificial intelligence, with a focus on: structured predictive models, relational and spatio-temporal data mining, semi-supervised learning, and applications in bioinformatics, document engineering and energy. He coordinates a group of over 20 researchers at LACAM, many funded by projects for which he is responsible. Internationally recognized, he is editor of the journals Machine Learning and Knowledge Discovery and Data Mining, general chair of ECMLPKDD 2017, PC chair of several conferences, and senior PC member for GGS A++ events. He has established important scientific collaborations with institutions such as Jožef Stefan Institute, American University (USA), University of Bristol (UK), NYU Tirana (AL), INESC/Porto (PT), University of Ottawa (CA), TU Darmstadt (DE), University of Antwerp (BE), and Ss. Cyril and Methodius University (MK). Active in internationalization, he participates in Erasmus+ programs, editorial and conference boards (IJCAI, AAAI, ECMLPKDD, etc.), foreign PhD evaluations and as an invited speaker. His scientific production is intense and of high quality, with several excellent products in the VQR 2004–2010 and 2011–2014. He has taught in Italian and English in several locations (Bari, Taranto, Brindisi), covering programming languages, databases and Big Data Analytics. He promoted the inclusion of the Big Data Analytics course in the AI curriculum of the Master's degree in Computer Science, and is a teacher in master's and doctoral programs. He had a central role in the third mission, participating in and coordinating over ten European and national projects. Among the most relevant: the FP7 MAESTRA project (FET, rated "excellent"), the H2020 IMPETUS project, and three PON projects (ComESTO, VI-POC, MAD), for a total funding of over 1 million euros. He was also the technical manager of the PON TALISMAN and VINCENTE projects, and editor for PON AIM proposals that led to six RTD-A positions. He actively collaborates with companies, including e-distribuzione (optimization of the national electricity grid through AI) and HyperTV S.r.L. (AI application to video content). Since 2020 he has been scientific advisor of Sensitrust LTD (UK), for the development of AI integrated with blockchain technologies.</i></p>
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PUBBLICAZIONI / PUBLICATIONS:

Anno della pubblicazione Year of publication:	2025
Citazione Citation:	Antonio Pellicani, Gianvito Pio, Michelangelo Ceci (2025). CARROT: Simultaneous prediction of anomalies from groups of correlated cryptocurrency trends. EXPERT SYSTEMS WITH APPLICATIONS, vol. 260, ISSN: 0957-4174, doi: 10.1016/j.eswa.2024.125457

Anno della pubblicazione Year of publication:	2024
Citazione Citation:	Mignone P., Corizzo R., Ceci M. (2024). Distributed and explainable GHSOM for anomaly detection in sensor networks. MACHINE LEARNING, vol. 113, p. 4445-4486, ISSN: 0885-6125, doi: 10.1007/s10994-023-06501-y

Anno della pubblicazione Year of publication:	2024
Citazione Citation:	Mignone, Paolo, Pio, Gianvito, Ceci, Michelangelo (2024). Distributed Heterogeneous Transfer Learning. BIG DATA RESEARCH, vol. 37, ISSN: 2214-5796, doi: 10.1016/j.bdr.2024.100456

Anno della pubblicazione Year of publication:	2024
Citazione Citation:	Altieri M., Corizzo R., Ceci M. (2024). GAP-LSTM: Graph-Based Autocorrelation Preserving Networks for Geo-Distributed Forecasting. IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, vol. 35, p. 11773-11787, ISSN: 2162-237X, doi: 10.1109/TNNLS.2024.3398441

Anno della pubblicazione Year of publication:	2023
Citazione Citation:	Corizzo R., Pio G., Barracchia E. P., Pellicani A., Japkowicz N., Ceci M. (2023). HURI: Hybrid user risk identification in social networks. WORLD WIDE WEB, vol. 26, p. 3409-3439, ISSN: 1386-145X, doi: 10.1007/s11280-023-01192-w

Anno della pubblicazione Year of publication:	2023
Citazione Citation:	Pellicani, Antonio, Pio, Gianvito, Redavid, Domenico, Ceci, Michelangelo (2023). SAIRUS: Spatially-Aware Identification of Risky Users in Social Networks. INFORMATION FUSION, vol. 92, p. 435-449, ISSN: 1566-2535, doi: 10.1016/j.inffus.2022.11.029

Anno della pubblicazione Year of publication:	2023
Citazione Citation:	Graziella De Martino, Gianvito Pio, Michelangelo Ceci (2023). Multi-view overlapping clustering for the identification of the subject matter of legal judgments. INFORMATION SCIENCES, vol. 638, ISSN: 0020-0255, doi: 10.1016/j.ins.2023.118956

Anno della pubblicazione Year of publication:	2022
Citazione Citation:	Barracchia, Emanuele Pio, Pio, Gianvito, Bifet, Albert, Gomes, Heitor Murilo, Pfahringer, Bernhard, Ceci, Michelangelo (2022). LP-ROBIN: Link prediction in dynamic networks exploiting incremental node embedding. INFORMATION SCIENCES, vol. 606, p. 702-721, ISSN: 0020-

	0255, doi: 10.1016/j.ins.2022.05.079
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Anno della pubblicazione Year of publication:	2022
Citazione Citation:	Pio, Gianvito, Mignone, Paolo, Magazzù, Giuseppe, Zampieri, Guido, Ceci, Michelangelo, Angione, Claudio (2022). Integrating genome-scale metabolic modelling and transfer learning for human gene regulatory network reconstruction. <i>BIOINFORMATICS</i> , vol. 38, p. 487-493, ISSN: 1367-4803, doi: 10.1093/bioinformatics/btab647

Anno della pubblicazione Year of publication:	2022
Citazione Citation:	Matej Petković, Michelangelo Ceci, Gianvito Pio, Blaž Škrlj, Kristian Kersting, Sašo Džeroski (2022). Relational tree ensembles and feature rankings. <i>KNOWLEDGE-BASED SYSTEMS</i> , vol. 251, ISSN: 0950-7051, doi: 10.1016/j.knosys.2022.109254

DESCRIZIONE DEI PRINCIPALI PROGETTI DI RICERCA E PREMI CONSEGUITI NEGLI ULTIMI 10 ANNI (CON ANNESSO ELENCO DI MASSIMO 10 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO, PRINCIPAL INVESTIGATOR O COORDINATORE LOCALE DI PROGETTI DI RICERCA COMPETITIVI NAZIONALI O INTERNAZIONALI, SIGNIFICATIVI PREMI CONSEGUITI PER LA PROPRIA ATTIVITÀ DI RICERCA)/ DESCRIPTION OF THE MAIN RESEARCH PROJECTS AND AWARDS AWARDED IN THE LAST 10 YEARS (WITH ATTACHED LIST OF MAXIMUM 10 ACHIEVEMENTS, INCLUDING, FOR EXAMPLE, PRINCIPAL INVESTIGATOR OR LOCAL COORDINATOR OF NATIONAL OR INTERNATIONAL COMPETITIVE RESEARCH PROJECTS, SIGNIFICANT AWARDS AWARDED FOR YOUR RESEARCH ACTIVITY):

Descrizione Description:	<i>H2020 IMPETUS - Intelligent Management of Processes, Ethics and Technology for Urban Safety”, Grant Agreement n. 883286. ROLES HELD: Scientific manager for the University of Bari, co-author of the project proposal, WP leader (WP4 - Data Analytics, Visualization and Access Control). The aim of the project is to strengthen public safety in smart cities by developing innovative tools that cover the entire security chain, both physical and cyber. The research unit of the University of Bari (linked third party of the CINI consortium) is developing new methods for the analysis of data generated by sensors to raise warnings in case of anomalies, also due to potential terrorist threats. FP7 MAESTRA (FET OPEN) Learning from Massive, Incompletely annotated, and Structured Data. Grant No:</i>
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612944.ROLES HELD: Scientific manager for the University of Bari, co-author of the project proposal, WP leader (WP3 – Methods for analysis of network data). The aim of the project is to study learning methods that work on massive, possibly incomplete and structured data. The research unit of the University of Bari is concerned with synthesizing new data mining algorithms for learning from networked data, possibly exploiting semi-supervised/transductive learning techniques. PON ComESto - Community Energy Storage: Gestione Aggregata di Sistemi d'Accumulo dell'Energia in Power Cloud", Grant No. ARS01_01259. ROLES HELD: Scientific manager for the DHITECH consortium and for the University of Bari, co-writer of the project proposal). It should be noted that for the proposal, the University of Bari is the sole implementing body for the DHITECH partner. The project objective is to integrate energy storage systems and renewable energy generation systems, encouraging the active participation of end users. PON MAD - La metamorfosi Additiva del Design. Grant No. ARS01_00717. ROLES HELD: Scientific manager for the University of Bari, co-writer of the project proposal. he project involves the study and optimization of new additive processes in the metallic and non-metallic field, the study, optimization and multiphysics certification of innovative materials obtained through atomization processes, simulations and high-resolution mass spectrometry and the integration in terms of physical computing of the design products made according to the described scheme. The research unit of the University of Bari is involved in developing new process mining methods for the description and verification of manufacturing processes, which are able to both predict subsequent and missing activities, but also to carry out compliance checks with respect to standard process models.

DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI DI SVILUPPO DI RETI E RELAZIONI SCIENTIFICHE NAZIONALI E INTERNAZIONALI (CON ANNESSO ELENCO DI MASSIMO 5 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO, PARTECIPAZIONE O ORGANIZZAZIONE DI CONVEGNI NAZIONALI E INTERNAZIONALI; CONTRIBUTI A CONSORZI DI RICERCA) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF DEVELOPMENT OF NATIONAL AND INTERNATIONAL SCIENTIFIC NETWORKS AND RELATIONS (WITH ATTACHED LIST OF MAXIMUM 5 RESULTS, INCLUDING, FOR EXAMPLE, PARTICIPATION OR ORGANIZATION OF NATIONAL AND INTERNATIONAL CONFERENCES; CONTRIBUTIONS TO RESEARCH CONSORTIA):

Descrizione Description:	
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DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI DI SUPPORTO ALLA COMUNITÀ SCIENTIFICA (CON ANNESSO ELENCO DI MASSIMO 5 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO, RESPONSABILITÀ DI DIREZIONE DI COMITATI EDITORIALI; INCARICHI DI VALUTAZIONE DELLA RICERCA PRESSO ISTITUZIONI NAZIONALI O INTERNAZIONALI; RESPONSABILITÀ ISTITUZIONALI ALL'INTERNO DELL'ISTITUZIONE DI APPARTENENZA O DI ALTRE ISTITUZIONI) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF SUPPORT TO THE SCIENTIFIC COMMUNITY (WITH ATTACHED LIST OF MAXIMUM 5 RESULTS, INCLUDING, FOR EXAMPLE, MANAGEMENT RESPONSIBILITIES OF EDITORIAL COMMITTEES; RESEARCH EVALUATION ROLES AT NATIONAL OR INTERNATIONAL INSTITUTIONS; INSTITUTIONAL RESPONSIBILITIES WITHIN THE INSTITUTION OF AFFILIATION OR OTHER INSTITUTIONS):

Descrizione Description:	
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DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI VALORIZZAZIONE DELLE CONOSCENZE (CON ANNESSO ELENCO DI MASSIMO 3 RISULTATI, RELATIVI ALLA PARTECIPAZIONE DEL CANDIDATO ALLE ATTIVITÀ DI VALORIZZAZIONE DELLE CONOSCENZE) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF KNOWLEDGE VALORIZATION (WITH ATTACHED LIST OF MAXIMUM 3 RESULTS, RELATING TO THE CANDIDATE'S PARTICIPATION IN KNOWLEDGE VALORIZATION ACTIVITIES):

Descrizione Description:	
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Informazioni aggiornate alla data di candidatura 14-05-2025

MICHELANGELO CECI

Il presente curriculum costituisce allegato e parte integrante dell'incarico sottoscritto

