

# WIRN 2024 PROGRAM

## DAY 1 – Wednesday June 5, 2024

8:30 Registration

(main Conference ROOM)

9:00 Welcome by Mayor of Vietri sul Mare **Giovanni De Simone** and Councilman **Alfonso Giannella**

9:15 Welcome from the President and Organizers

9:30 – 10:15 “Maria Marinaro Lecture”,

Professor **Laura Giarré** “Markovian models for influencing decisions in traffic scenario” Chair: **Anna Esposito**

10:15 – 10:45 Coffee break

10:45 – 13:00 (S1) **Special Session on Dynamics of Signal Exchanges and Empathic Systems, part I.** Organizers: Terry Amoerse, Marialucia Cuciniello, Zoraida Callejas, Anna Esposito, Antonietta M. Esposito, Gennaro Cordasco, Carl Vogel, Chair: **Gennaro Cordasco** (main Conference ROOM)

1. 10:45 – 11:00 Andrea Bizzego, Alessandro Carollo, Burak Senay, Seraphina Fong and Gianluca Esposito: *Computer Vision-Driven Movement Annotations to Advance fNIRS Pre-Processing Algorithm*
2. 11:00 – 11:15 Daniele Dragoni, Maria Désirée Epure and Isabella Poggi: *Empathic Agents and the Emotion of Being Moved: Enhancing Human-Computer Interaction*
3. 11:15 – 11:30 Alfonso Maria Stanzione, Lorenzo Arena, Julio Daniel Bermúdez Chinaea and Andrea Bizzego: *Unveiling the Impact of Maternal Education and Mass Media on Early Childhood Development in LMICs*
4. 11:30 – 11:45 Francesca Mottola, Augusto Gnisci, Marco Perugini and Ida Sergi: *Do HEXACO facets predict better self or observer reported Internalizing and Externalizing behaviors in adolescents?*
5. 11:45 – 12:00 Francesca Mottola: *Do personality traits influence eating styles and food choices? Direct and indirect effects*
6. 12:00 – 12:15 Ilaria Lombardi, Vincenzo Paolo Senese, Victor Fernando Muñoz Martinez, Mario Buono, Marcos Rollón Rivas and Sonia Capece: *Neuroergonomics tools and methods for laboratory assessment of Human-Robot Interaction*
7. 12:15 – 12:30 Luisa Almerico, Isa Zappullo, Anna Pezzella, Carla Nasti, Massimiliano Conson and Vincenzo Paolo Senese: *Application of Network Analysis to explore relationships between predictors of Drawing Skills*
8. 12:30 – 12:45 Carla Nasti, Luisa Almerico, Eleonora Chianese and Anna Pezzella: *The Association Between The Parental Rejection In Childhood And Learned Helplessness In Yong Adults: Insights From Ipartheory*
9. 12:45 – 13:00 Marco Feola, Alessandro Lo Presti, Gennaro Cordasco and Anna Esposito: *Generative AI & Virtual agents to support workers*

13:00 – 14:30 Lunch break

14:30 – 16:30 (S2) **REGULAR Session, Chair: Giovanni Di Gennaro (main Conference ROOM)**

10. 14:30 – 14:45 Alberico Grimaldi, Giovanni Messuti, Ortensia Amoroso, Ferdinando Napolitano, Paolo Capuano, Vincenzo Convertito, Danilo Galluzzo and Silvia Scarpetta: *Applications of SOM in Seismology: from Dataset Quality Assessment to Mislabeled Trace Detection*
11. 14:45 – 15:00 Marianna Angiolelli, Silvia Scarpetta, Pierpaolo Sorrentino, Emahnel Troisi Lopez, Mario Quarantelli, Carmine Granata, Giuseppe Sorrentino, Vincenzo Palmieri, Simonetta Filippi, Christian Cherubini, Alessandro Loppini and Letizia Chiodo: *Explaining structure-function relationship in the human brain via criticality: insight from modelling and multimodal data*
12. 15:00 – 15:15 Antonio Costantino Marceddu, Pier Paolo Politi, Matteo Di Salvo, Fabio Bima and Bartolomeo Montrucchio: *Sum-of-Events Type Control Charts for the Visual Representation of Abnormal Behavior Predictions of Wind Turbine Generators*
13. 15:15 – 15:30 Marcos Faundez-Zanuy and Jan Mucha: *On the use of fractional derivatives in online biometric signature recognition*
14. 15:30 – 15:45 Carles Paul-Recarens, Marcos Faundez-Zanuy and Josep Lopez-Xarbau: *COBOT force sensor characterization for synthetic handwriting*
15. 15:45 – 16:00 Gianni D'Angelo and Francesco Palmieri: *Enhancing Automotive Cybersecurity with LSTM-Autoencoder for CAN-bus Anomaly Detection*
16. 16:00 – 16:15 Gabriele Ciravegna, Pietro Barbiero, Francesco Giannini and Tania Cerquitelli: *Linearly Interpretable Concept Embedding Model*
17. 16:15 – 16:30 Miao Wei and Carl Vogel: *Semantic Mapping in Federated Learning: Exploring Philosophical Linguistic Structures and Mapping Relationships Between Global and Local Models*

16:30 – 17:00 Coffee break

**17:00 – 19:00 (S3) REGULAR Session, Chair: Michele Scarpiniti (main Conference ROOM)**

18. **17:00 – 17:15** Michele La Rocca, Cira Perna and Marilena Sibillo: *A robust non linear Lee-Carter type model for mortality rate*
19. **17:15 – 17:30** Antonio Agliata, Angelo Ciaramella, Emanuel Di Nardo, Alfonso Moscato, Luca Rizzuti, Bruno Sfogliarini and Mariacarmen Sorrentino: *Advancing User Profiling: A Comprehensive Analysis of 200k+ Physicians Using LDA Topic Extraction*
20. **17:30 – 17:45** Michele Scarpiniti and Aurelio Uncini: *Exploiting phase information for the identification of Brugada syndrome: A preliminary study*
21. **17:45 – 18:00** Agostino Vallefucoco, Giuseppe Di Lorenzo, Michele Di Giovanni, Francesco A. N. Palmieri, Giovanni Di Gennaro and Amedeo Buonanno: *LSTM-Based Road Traffic Prediction Model for Telecommunications Network Planning*
22. **18:00 – 18:15** Moreno La Quatra, Antonio Costantino Marceddu, Thomas Avare, Federico Fedi, Mattia Brusamento and Bartolomeo Montrucchio: *Improving Recycling Experience Through A Novel Speech Classification Pipeline*
23. **18:15 – 18:30** Davide Lillini, Carlo Aironi, Lucia Migliorelli, Leonardo Gabrielli and Stefano Squartini: *A Clinical Decision Support System Based on Deep Learning for Identifying Sleep Apneas Using Audio Signals*
24. **18:30 – 18:45** Carlo Aironi, Leonardo Gabrielli and Stefano Squartini: *Low-dimensional Audio Inpainting with Mixed Generative-Predictive Model*
25. **18:45 – 19** Vitoantonio Bevilacqua: *TBA*

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## DAY 2– Thursday June 6, 2024

8:30 Registration

(main Conference ROOM)

9:00 – 9:45 “Eduardo Renato Caianiello Lecture”

Professor Vincenzo Piuri “Artificial Intelligence in Cloud/Fog/Edge Computing and Internet-of-Things” Chair: Eros Pasero

9:45 – 10:00 Coffee break

PARALLEL SESSIONS Session S4a and session S4b

10:00 – 11:30 (S4a) REGULAR session, Chair: Amedeo Buonanno (main Conference ROOM)

26. 10:00 – 10:15 Luca Anzilli, Marta Cardin and Silvio Giove: *Enhancing Insurance Recommendations: A Multicriteria Approach Using the Choquet Integral*
27. 10:15 – 10:30 Luca Anzilli, Marta Cardin and Silvio Giove: *The ISEE income indicator: a new proposal*
28. 10:30 – 10:45 Michele Di Giovanni, Francesco A. N. Palmieri, Giovanni Di Gennaro, Amedeo Buonanno, Fabrizio Ambrosino, Mariagabriella Pugliese and Carlo Sabbarese: *LSTM-Based Models for Radon Forecast*
29. 10:45 – 11:00 Lorenzo Aloisi, Luigi Sigillo, Aurelio Uncini and Danilo Comminiello: *A Wavelet Diffusion GAN for Image Super-Resolution*
30. 11:00 – 11:15 Federico Delrio, Vincenzo Randazzo, Giansalvo Cirrincione and Eros Pasero: *Dual-Branch Fusion Neural Network Model: A Preliminary Demonstration of Absolute, Calibration-Free Blood Pressure Estimation from ECG and PPG*
31. 11:15 – 11:30 Mimmo Parente and Luca Rizzuti: *One year after “A profitable trading algorithm for cryptocurrencies”*

10:00 – 11:15 (S4b) Special Session on Explainable AI for Biomedical Images and Signals, part I, Organizers: Eleonora Lopez, Francesco Prinzi, Nadia Mammone, Salvatore Vitabile, Danilo Comminiello, Chair: Salvatore Vitabile (Teaching ROOM)

32. 10:00 – 10:15 Andrea Berti, Valentina Giannini, Simone Mazzetti, Maria Antonietta Pascali, Daniele Regge and Sara Colantonio: *A survey on good AI: User-Centric AI Design in Healthcare*
33. 10:15 – 10:30 Vera Gramigna and Alessia Sarica: *Bringing explainability to the prediction of Gait Disorders from ground reaction force (GRF): a Machine Learning study on GaitRec dataset*
34. 10:30 – 10:45 Alessia Sarica and Vera Gramigna: *Brain-age gap estimation from Thalamic nuclei volumes for the diagnosis of Parkinson’s disease through Explainable Boosting Machines*
35. 10:45 – 11:00 Francesco Prinzi, Francesco Ceccarelli, Sean B. Holden, Pietro Liò and Salvatore Vitabile: *The Importance of Temporal Integration in DCE-MRI for Improved Breast Cancer Diagnosis*
36. 11:00 – 11:15 Tiziana Currieri, Joan Falcó-Roget, Alessandro Crimi and Salvatore Vitabile: *Assessment of brain connectivity in traumatic brain injury through Statistical Analysis and Explainable AI Techniques*

11:30-11:45 Coffee break

PARALLEL SESSIONS Session S5a and session S5b

11:45 – 12:45 (S5a) REGULAR session, Chair: Vincenzo Randazzo (main Conference ROOM)

37. 11:45 – 12:00 Riccardo Fosco Gramaccioni, Christian Marinoni, Fabrizio Frezza, Aurelio Uncini and Danilo Comminiello: *Inverse Design of Thin-Film Metamaterials with a Transformer-based Approach*
38. 12:00 – 12:15 Silvia Caligari, Vincenzo Randazzo, Carla Giustetto, Fiorenzo Gaita and Eros Pasero: *Predictive Recognition of Brugada Syndrome Patterns in Digital Signal Data using Neural Networks*
39. 12:15 – 12:30 Nadia Mammone, Cosimo Ieracitano, Christoph Guger and Francesco Carlo Morabito: *Deep Mapping the brain: a novel deep learning-based analysis of Ultra-High-Density Electroencephalography*
40. 12:30 – 12:45 Kamyar Zeinalipour, Laure Barriere, David Ghelardi and Marco Gori: *Application of Machine Learning Models for Carbon Monoxide and Nitrogen Oxides Emission Prediction in Gas Turbines*

**11:45 – 12:45 (S5b) Special Session on Explainable AI for Biomedical Images and Signals, part II**, Organizers: Eleonora Lopez, Francesco Prinzi, Nadia Mammone, Salvatore Vitabile, Danilo Comminiello, **Chair: Francesco Prinzi (Teaching ROOM)**

41. **11:45 – 12:00** Danilo Comminiello, Nadia Mammone, Salvatore Vitabile, Eleonora Lopez, Francesco Prinzi, Cosimo Ieracitano and Aurelio Uncini: *EXEGETE: Explainable Generative AI for Medical Signal and Image Processing*
42. **12:00 – 12:15** Federica Colonnese, Francesco Di Luzio, Simone Colella and Massimo Panella: *Explaining Autism Detection by Deep Learning through Eye Gaze Patterns and Integrated Gradients*
43. **12:15 – 12:30** Eleonora Beatrice Rossi, Eleonora Lopez, Luigi Sigillo and Danilo Comminiello: *TACE: Tumor-Aware Counterfactual Explanations*
44. **12:30 – 12:45** Federico Ambrogio, Francesco Fè, Luigi Sigillo, Eleonora Grassucci and Danilo Comminiello: *Counterfactual-Aware Diffusion Models*

**12:45 – 14:30 Lunch break**

**PARALLEL SESSIONS** Session **S6a** and session **S6b**

**14:30 – 16:00 (S6a) REGULAR session, Chair: Marcos Faundez-Zanuy (main Conference ROOM)**

45. **14:30 – 14:45** Michele Lo Giudice, Francesca Mariani, Giosuè Caliano, Francesco Carlo Morabito and Alessandro Salvi: *Automated Detection of Defects in Antique Plaster using Spectrograms and Deep Convolutional Neural Networks*
46. **14:45 – 15:00** Giorgia Ghione, Jan Mucha, Vincenzo Randazzo, Marco di Benedetto, Eros Pasero, Marco Badami and Marcos Faundez-Zanuy: *Passive Parameters Identification Of A Three-Phase Ac-Dc Converter Via A Gru Network And Derivative Approximations*
47. **15:00 – 15:15** Antonino Staiano, Antonio Junior Spoleto, Giovanni Hauber, Marco Lettieri, Paola Barra and Francesco Camastra: *Deep learning-based robust head pose estimation*
48. **15:15 – 15:30** Vincenzo Capone, Angelo Casolaro, Gennaro Iannuzzo and Francesco Camastra: *Are Transformers Always Necessary for Statistical Language Modelling?*
49. **15:30 – 15:45** Angelo Casolaro, Vincenzo Capone, Gennaro Iannuzzo and Francesco Camastra: *Transformer Encoder-based Time Series Prediction*
50. **15:45 – 16:00** Gennaro Iannuzzo, Angelo Casolaro, Vincenzo Capone, Angelo Ciaramella, Francesco Camastra and Michele Di Capua: *Decoding Scenes: Smart Traffic Lights System with Multi-agent Reinforcement Learning for Road Congestions*

**14:30 – 15:45 (S6b) Special Session on Innovative Advancements in Civil Engineering, Structures and Infrastructures fostered by Artificial Intelligence.** Organizers: Giuseppe Carlo Marano, Giansalvo Cirrincione, Marco Martino Rosso, Angelo Aloisio, Jonathan Melchiorre, **Chair: Marco Martino Rosso and Jonathan Melchiorre (Teaching ROOM)**

51. **14:30 – 14:45** Simone Saquella, Michele Scarpiniti, Giovanni Laneve and Aurelio Uncini: *Benchmarking of CNN architectures for post-earthquake damage assessment*
52. **14:45 – 15:00** Marco Martino Rosso, Salvatore Aiello, Giansalvo Cirrincione, Bernardino Chiaia and Giuseppe Carlo Marano: *Tunnels indirect and intelligent-based monitoring with ground penetrating radar surveys*
53. **15:00 – 15:15** Francesco Nigro and Enzo Martinelli: *Recent advancements of a Genetic Algorithm based Optimization procedure for seismic upgrading of existing RC structures*
54. **15:15 – 15:30** Jonathan Melchiorre, Costanza Anerdi, Vincenzo Randazzo and Giuseppe Carlo Marano: *Enhancing the Accuracy of Concrete Mix Design Leveraging on Machine Learning Algorithms*
55. **15:30 – 15:45** Mattia Siviero, Jonathan Melchiorre, Marco Martino Rosso, Giansalvo Cirrincione and Giuseppe Carlo Marano: *MOEDA-GMM an estimation of distribution through expectation maximization algorithm for multiobjective optimization*

**16:00 – 16:30 Coffee break**

**PARALLEL SESSIONS** Session **S7a** and session **S7b**

**16:30 – 18:30 (S7a) REGULAR session, Chair: Angelo Ciaramella (main Conference ROOM)**

56. **16:30 – 16:45** Gennaro Mellone, Emanuel Di Nardo, Pietro P.C. Aucelli and Angelo Ciaramella: *Unveiling AI Decisions: A Unified Approach Through Explainable Learning for Optimizing Counterfactual Explanations*
57. **16:45 – 17:00** Alessio Verdone, Alessio Devoto, Cristiano Sebastiani, Joseph Carmignani, Monica D'Onofrio, Stefano Giagu, Simone Scardapane and Massimo Panella: *Enhancing High-Energy Particle Physics Collision Analysis through Graph Data Attribution Techniques*
58. **17:00 – 17:15** Mykhailo Danilevskiy: *Disparate Impact Remover: does it work for your data?*
59. **17:15 – 17:30** Davide De Angelis, Emilio Garzia, Manuel Manco, Emanuel Di Nardo and Angelo Ciaramella: *Emotion Recognition Tool for Brain-Computer Interfaces*
60. **17:30 – 17:45** Davide De Cicco, Emanuel Di Nardo, Gennaro Iannuzzo and Angelo Ciaramella: *Perceptual Learning for On-Line Visual Object Tracking*
61. **18:00 – 18:15** Pau Ferrer-Ramos, Noemi Serra-Paya, Montserrat Girabent-Farrés, Marcos Faundez-Zanuy, Pilar Sanz-Cartagena and Manuel Vicente Garnacho-Castaño: *Analysis of Physical Capability Decline with Age in Elderly Individuals*
62. **18:15 – 18:30** Giovanni Cicceri, Marta Lovino, Giansalvo Cirrincione and Salvatore Vitabile: *Design and Implementation of an Intelligent Cyber-Biological System to Enhance Personalized Medicine: A Glycation Classification Case Study*

**16:30 – 18:00 (S7b) Special Session on Artificial Intelligence for Agriculture**, Organizers: Federico Candela, Giovanna Maria Dimitri, Alexander Kocian, **Chair: Giovanna Maria Dimitri and Alexander Kocian (Teaching ROOM)**

63. **16:30 – 16:45** Andrea Michielon, Paolo Litta, Francesca Bonelli, Stefano Farisè, Diana Giannuzzi, Marco Milanese, Daniele Petrucci, Angelica Vezzoli, Alessio Cecchinato, Giovanni Chillemi, Luigi Gallo, Marcello Mele and Cesare Furlanello: *Towards an AI framework for Animal Welfare in the national AGRITECH Center*
64. **16:45 – 17:00** Giovanna Maria Dimitri, Biancamaria Ciasca, Veronica M.T. Lattanzio, Alexander Kocian, Antonio Moretti, Stefano Chessa, Franco Scarselli and Marco Gori: *Machine Learning in metabolomics for the early detection of Fusarium verticillioides infection in maize*
65. **17:00 – 17:15** Marco Cardia, Stefano Chessa, Alessio Micheli, Antonella Giuliana Luminare and Francesca Gambineri: *Water Quality Estimation Through Machine Learning Multivariate Analysis*
66. **17:15 – 17:30** Giuseppe Quaratiello, Lorenzo Pippi, Athos Pedrelli, Fatjon Cela, Luca Incrocci, Marco Landi, Cristina Nali, Elisa Pellegrini and Lorenzo Cotrozzi: *Hyperspectral assessment of quality and safety of baby leaf lettuce grown in floating system under different nitrogen and salinity conditions*
67. **17:30 – 17:45** Tommaso Adamo, Lucio Colizzi, Giovanni Dimauro and Emanuela Guerriero: *Integrating AI based microservices with iot devices for irrigation and fertigation in sustainable agriculture*
68. **17:45 – 18:00** Federico Candela, Giuliana Faggio, Giacomo Messina, Andrea Francesco Morabito and Francesco Carlo Morabito: *Decoding Scenes: Advanced Siamese Network with Triplet Loss for Precise Raman Spectroscopy Classification: A Case Study on Honey Analysis*

**18:30 – 19:00 SIREN ANNUAL MEETING**

**20:00 – SOCIAL DINNER “Ristorante Il Pescatore”**

## DAY 3– Friday June 7, 2024

8:30 – Registration

(main Conference ROOM)

9:00 – 9:30 PREMIO CAIANIELLO AWARD

9:30 – 10:15 “Victoria Rodellar-Biarge” Keynote Lecture (Remote session)

Danilo Mandic “Interpretable Convolutional NNs and Graph CNNs: Role of Domain Knowledge” Chair **Francesco Carlo Morabito**

10:15 – 10:30 Coffee break

**PARALLEL SESSIONS** Session **S8a** and session **S8b**

**10:30 – 12:30 (S8a) Special Session on Human-Centric Trust in Generative AI: Balancing Human Values and AI Innovation.**  
Organizers: Stefano Marrone and Lidia Marassi, **Chair: Lidia Marassi and Stefano Marrone (main Conference ROOM)**

69. **10:30 – 10:45** Flora Amato, Egidia Cirillo, Mattia Fonisto and Alberto Moccardi: *Enhancing Legal-RAG Trustworthiness through Reasoning and Action*
70. **10:45 – 11:00** Sofia Dutto, Gabriele Piantadosi, Antonio Galli, Girolamo Di Francia and Carlo Sansone: *Conditional TimeGANs for photovoltaic data augmentation*
71. **11:00 – 11:15** Massimiliano Delfino: *Work and augmented reality: the limits of human enhancement*
72. **11:15 – 11:30** Roberto La Rovere, Antonio Elia Pascarella and Cristina Davino: *Sofia: The Conversational Bot @ UniNa*
73. **11:30 – 11:45** Sandra Mitrovic, Francesco Flammini and Suryam Gupta: *Assessing different strategies for augmenting data using LLMs for model performance improvement*
74. **11:45 – 12:00** Manuel Maddaluno, Simona Durante, Angela Ammendola, Raffaele Sperandeo, Enrico Moretto, Valeria Cioffi, Roberta Stanzione, Ottavio Ragozzino, Lucia Luciana Mosca, Natascia De Lucia, Benedetta Muzii, Nelson Mauro Maldonato and Flavia Morfini: *AIDA - a tool for reducing problematic behaviours in autism*
75. **12:00 – 12:15** Valeria Cioffi, Chiara Scognamiglio, Lucia Luciana Mosca, Enrico Moretto, Roberta Stanzione, Ottavio Ragozzino, Giovanni Salonia, Claudia Montanari, Veronica Rosa, Oliviero Rossi, Claudio Billi, Paolo Quattrini, Alexander Lommatzsch, Antonio Ferrara, Stefano Crispino, Elena Gigante, Mariano Pizzimenti, Efsio Temporin, Nelson Mauro Maldonato and Raffaele Sperandeo: *Exploring the Potential of LLM Systems in Gestalt Therapy Processes*
76. **12:15 – 12:30** Valeria Cioffi, Ottavio Ragozzino, Chiara Scognamiglio, Lucia Luciana Mosca, Enrico Moretto, Roberta Stanzione, Francesco Marino, Annamaria Acoella, Angela Ammendola, Rossella D'Aquino, Simona Durante, Enrica Tortora, Flavia Morfini, Claudia Montanari, Veronica Rosa, Oliviero Rossi, Antonio Ferrara, Elisa Mori, Elena Gigante, Mariano Pizzimenti, Sonia Zangarini, Raffaele Sperandeo and Daniela Cantone: *Towards Integrated AI Psychotherapy Supervision: A Proposal for a ChatGPT-4 Study*

**10:30 – 13:15 (S8b) Special Session on Dynamics of Signal Exchanges and Empathic Systems, part II.** Organizers: Terry Amorse, Marialucìa Cuciniello, Zoraida Callejas, Anna Esposito, Antonietta M. Esposito, Gennaro Cordasco, Carl Vogel, **Chair: Terry Amorse and Marialucìa Cuciniello (Teaching ROOM)**

77. **10:30 – 10:45** Antonio Vitale, Bruno Carbonaro, Gennaro Cordasco, Umberto Dello Iacono and Anna Esposito: *A Research Agenda for the use of social robots in Mathematics Education: personalised learning and formative assessment*
78. **10:45 – 11:00** Alfonsina D'Iorio, Giovanni Luca Di Benedetto, Andrea Barbaro, Lucia Di Laora, Alessandra Sorrentino, Filippo Cavallo, Gabriella Santangelo, Gennaro Cordasco and Anna Esposito: *Prevention of Mild Cognitive Impairment: an integrated intervention*
79. **11:00 – 11:15** Marco Scotto Rosato, Margherita Stabile, Irene Cortellessa, Fabio Carraturo, Rosanna Napolano and Stefania Cella: *Co-design as collaborative research. A focus group study for the development of ERA, the Emotion Regulation App*
80. **11:15 – 11:30** Paolo Pagliuca: *Learning enhances evolutionary algorithms in simple autonomous agents: a quantitative and qualitative analysis*
81. **11:30 – 11:45** Maria Sarno, Miriam Veneziano, Terry Amorse, Marialucìa Cuciniello, Gennaro Cordasco, Vasco D'Agnesè and Anna Esposito: *Factors influencing young users' acceptance of interactive dialogue systems with and without pedagogical role*

11:45 – 12:00 Coffee break

82. **12:00 – 12:15** Maria Santina Ler, Marialucìa Cuciniello, Terry Amorse, Gennaro Cordasco and Anna Esposito: *Analysis of Handwriting Data for Diagnosing of Neurodegenerative Disorders*
83. **12:15 – 12:30** Rosa Milo, Gennaro Cordasco and Anna Esposito: *In the mood for interactions: Do the Emotional Valence and Gender of Virtual Agents Influence the Willingness of People, with and without Depressive Symptoms, to Interact with them?*
84. **12:30 – 12:45** Miriam Veneziano, Marialucìa Cuciniello, Terry Amorse, Gennaro Cordasco and Anna Esposito: *Impact of Virtual Agents and Robots on Children: Exploring Acceptance Factors. A pilot study*

- 85. **12:45 – 13:00** Somdatta Chakraborty, Terry Amorese, Marialucia Cuciniello, Gennaro Cordasco and Anna Esposito: *Validation of the New English Audio-Video Emotional Dataset*
- 86. **13:00 – 13:15** Antonietta M. Esposito, Walter De Cesare, Giovanni Macedonio, Pierfrancesco Calabria and Flora Giudicepietro: *A first neural-based approach to analyzing seismic activity at Campi Flegrei volcano during the ongoing unres*

**13:15 Conference Closing Chair: Anna Esposito**

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WIRN 2024 - First Call for Papers  
 32<sup>nd</sup> Italian Workshop on Neural Networks  
 June 5 -7, 2024, Vietri sul Mare, Salerno, Italy  
<https://www.siren-neural-net.it/wirn-2024/>

Chair: Anna Esposito  
 Co-Chair: Eros Pasero

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This Workshop is sponsored by the



INTERNATIONAL NEURAL NETWORK SOCIETY



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