

## Poster Session, June 14<sup>th</sup>, 15:00-16:15

1. Future Fishery & Deep Learning  
*Ch Muhammad Awais*, Davide Moroni, Marco Reggiannini  
#SustainableFishing #RemoteSensing #DeepLearning
2. Self-Supervised High Dynamic Range Content from 8-bit Videos  
*Francesco Banterle*, Demetris Marnerides, Thomas Bashford-Rogers, Kurt Debattista  
#DeepLearning #HighDynamicRange #HDR
3. Trust and Reliance in AI: Designing for Appropriate Human-AI Collaboration  
*Andrea Beretta*, Salvatore Rinzivillo, Fosca Giannotti  
#TrustCalibration #HumanCentered AI #HCAI DecisionMaking
4. Towards fine-grained language-based visual recognition for open-world perception  
*Lorenzo Bianchi*, Fabio Carrara, Nicola Messina, Claudio Gennaro, Fabrizio Falchi  
#VisionAndLanguage #OpenVocabulary #FoundationModels
5. A hybrid meta-programming system for image segmentation, based on Spatial Model Checking and Machine Learning  
Gina Belmonte, *Laura Bussi*, Vincenzo Ciancia, Diego Latella, Mieke Massink  
#HybridAI #SpatialModelChecking #medicalImaging
6. Self-Organization and Complexity in Bio-inspired Neural Networks  
*Marco Cafiso*, Paolo Paradisi  
#BioInspiredNeuralNetworks #Learning #ComplexIntermittency
7. Nextgen of Search and Rescue operations through trustworthy doped drones fleet  
*Antonello Calabrò*, Eda Marchetti  
#SAR, #UAV, #Cybersecurity
8. Community-friendly Research Infrastructures  
M. Assante, A. Calanducci, *L. Candela*, D. Castelli, R. Cirillo, G. Coro, A. Dell'Amico, L. Frosini, A. Ibrahim, L. Lelii, F. Mangiacrapa, B. Masa, E. Molinaro, A. Oliviero, P. Pagano, G. Panichi, M. T. Paratore, T. Piccioli, M. Procaccini, G. L. Vannini  
#VirtualResearchEnvironment #OpenScience #RecommenderSystem #ConversationalAgents
9. A Seamless Vision to Decentralized and Collective Intelligence  
*Emanuele Carlini*, Massimo Coppola, Hanna Kavalionak, Patrizio Dazzi, Li Lanpei, Matteo Mordacchini, Joaquim Mbasa Molo, Nelson Aloysio Reis de Almeida Passos  
#DecentralizedAlgorithms #EdgeComputing #SelfOrganizing
10. DMT@AA@THE SI-LAB Project  
*Said Daoudagh*, Giacomo Ignesti, Davide Moroni, Paolo Paradisi  
#AI&MovementAnalysis #DanceMovementTherapy #SocialWellness
11. ELIAS: "Enhanced Live Auditing System" for cybersecurity resilience in interconnected digital ecosystems through generative AI, transformer-based ML and Digital Twin  
*Andrea de Angelis*, Eda Marchetti, Antonello Calabrò  
#Cybersecurity, #GenerativeAI, #DigitalTwin
12. RED Directive: Awareness and Assessment  
*Andrea de Angelis*, Eda Marchetti, Antonello Calabrò  
#RED, #Cybersecurity, #Assessment

13. Stretch your tentacles, POLPO-Net: a POLymorphic PrObablistic approach to greedily approximate model uncertainties  
*Giulio Del Corso*, Claudia Caudai, Ercan Ergin Kuruoglu, Sara Colantonio  
#TrustworthyAI #ProbabilisticNeuralNetwork #UncertaintyQuantification
14. Contributing to Large Language Models Research: Models, Evaluation, and Applications  
Maria Cassese, Andrea Pedrotti, Giovanni Puccetti, Gianluca Sperduti, *Andrea Esuli*  
#LLMs #NLP #GenerativeAI
15. 3D geometry processing and AI for creativity and sustainability in architecture  
*Andrea Favilli*, Francesco Laccone, Paolo Cignoni, Luigi Malomo, and Daniela Giorgi  
#ArchitecturalGeometry #AI4ComputationalDesign #Sustainability
16. Beyond human imagination: The art of creating prompt-driven 3D scenes with Generative AI  
*Giulio Federico*, Fabio Carrara, Giuseppe Amato, Marco Di Benedetto
17. Sensorized Movement Analysis: Innovate for a Better Tomorrow  
*Dario Ghezzi*, Filippo Palumbo  
#Sensors #ActiveAgeing #FunctionalMovement
18. 3D geometry processing for environmental monitoring and coral phenotyping  
Yuri Andriaccio, *Daniela Giorgi*, Gaia Pavoni, Paolo Cignoni  
#3DGeometryProcessing, #CoralPhenotyping, #EnvironmentalMonitoring
19. Whispers in the Snow: Harnessing LoRa Technology for Search and Rescue Operations  
*Michele Girolami*, Fabio Mavilia, Andrea Berton, Giulio Maria Bianco, Gaetano Marrocco  
#LoRa, #SAR, #SearchAndRescue, #Localization
20. Redundancy-based Fault/Intrusion Tolerance through Metamorphic Relations  
Felicita Di Giandomenico, Giulio Masetti, *Francesca Lonetti*, Antonia Bertolino  
#faultTolerance #metamorphicRelation #designDiversity
21. Socio-technical Process Modelling to Foster Sustainable Digitalisation in Agriculture  
*Chiara Mannari*, Felice Manlio Bacco, Alessio Ferrari, Giorgio Oronzo Spagnolo  
#ProcessModelling #AgriculturalDigitalization #LivingLabs
22. From Closed Doors to Open Horizons: Shaping the Future of Research Information and Scientometrics  
Michele Artini, Claudio Atzori, Miriam Baglioni, Alessia Bardi, Michele De Bonis, Andrea Dell'Amico, Sandro La Bruzzo, Paolo Manghi, *Andrea Mannocci*, Gina Pavone  
#Scientometrics #OpenData #OpenScience
23. An Architecture for Green Smart Homes Controlled by End Users  
Simone Gallo, *Andrea Mattioli*, Fabio Paternò, Barbara Rita Barricelli, Daniela Fogli, Davide Guizzardi  
#EndUserDevelopment #GreenSmartHome #Automations
24. Generative Attacks and Intrusion Detection for In-Vehicle Networks  
*Francesco Merola*, Giuseppe Lami  
#GenerativeAI #IntrusionDetection #InVehicleNetworks
25. Efficient and Sustainable AI with Applications to Text  
Marco Alessio, Maddalena Amendola, Francesco Busolin, Andrea Giuseppe Di Francesco, Ophir Frieder, Francesco Lettich, Claudio Lucchese, Silvio Martinico, Cristina Muntean, *Franco Maria Nardini*, Raffaele Perego, Salvatore Orlando, Beatrice Rapisarda, Guido

- Rocchietti, Cosimo Rulli, Fabrizio Silvestri, Salvatore Trani, Nicola Tonello, Alberto Veneri, Rossano Venturini  
#EfficientAI, #GreenAI, #GreenIR, #GreenNLP
26. CAFÉ: Causality-Aware Few-shot Encoders  
*Eva Pachetti*, Gianluca Carloni, Sara Colantonio  
#Causality #FewShotLearning #MedicalImaging
27. A comprehensive system supporting sustainable agricultural production from farm to fork  
Andrea Carboni, Giulio Galesi, Giacomo Ignesti, Massimo Magrini, Massimo Martinelli, Gabriele Martino, Davide Moroni, *Francesca Pardini*, Andrea Scozzari  
#ComputerVision #AdaptiveEnsemblig #Farm2Fork
28. Exploring Data through the Topological Lens: A Topological Machine Learning Pipeline for Data Analysis  
Claudia Cudai, Sara Colantonio, Francesco Conti, Mario D'Acunto, Davide Moroni, *Maria Antonietta Pascali*  
#TopologicalDataAnalysis #PersistentHomology #RamanSpectroscop
29. SERENI (SERious gamEs with humanoid robots in cogNitive training Project)  
Benedetta Catricalà, Marco Manca, *Fabio Paternò*, Carmen Santoro, Eleonora Zedda  
#HumanoidRobot #SeriousGames #CognitiveTraining
30. Historic masonry structures in fire conditions: numerical and experimental investigations  
*Daniele Pellegrini*, Maria Girardi, Cristina Padovani  
#masonry #culturalheritage #fire
31. From Unstructured Cultural Heritage Data to Semantic Narratives  
Valentina Bartalesi, Claudio De Martino, Emanuele Lenzi, *Nicolò Pratelli*, Giuseppe Amato  
#Narrative #KnowledgeGraph #CulturalHeritage
32. AI-based approaches for mobility data sharing and human dynamics understanding  
*Chiara Pugliese*, Giulio Loddi, Francesco Lettich, Fabio Pinelli, and Chiara Renzo  
#MobilityDataSharing #Semantics #ArtificialIntelligence
33. FRIA: Fundamental Rights Impact Assessment  
Roberta Savella, *Francesca Pratesi*, Daniele Fadda, Roberto Trasarti  
#AIAct #FundamentalRights #OperationalizingLaw
34. How to move into Quality 5.0 in era of disruptive technologies  
*Tauheed Waheed*, Eda Marchetti, Antonello Calabrò  
#Quality5.0, #Testing, #Cybersecurity
35. Predicting Model Accuracy on Out-of-Distribution Data  
*Lorenzo Volpi*, Andrea Esuli, Alejandro Moreo, Fabrizio Sebastiani  
#AccuracyPrediction #DatasetShift #OodData