ISTI Day(s)

Program at a glance

Day 1, November 8th, 2022

14:00 - 14:10 Opening
14:10 - 14:30 Intervento di Emilio Campana (Direttore DIITET)
14:30 - 15:15 Tavola rotonda: Ricerca informatica e trasferimento tecnologico: quale ruolo del CNR nei processi di innovazione?
15:15 - 15:35 Intervento di Roberto Scopigno (Direttore ISTI)
15:35 - 16:15 Poster Session (part I)
16:15 - 17:35 Scientific Talks (part I)
17:35 - 17:40 Closing

Day 2, November 15th, 2022

14:00 - 14:10 Opening
14:10 - 14:20 ISTI Awards
14:20 - 15:40 Scientific Talks (part II)
15:40 - 16:20 Poster Session (part II)
16:20 - 17:40 Scientific Talks (part III)
17:40 - 17:50 Closing

Access via Zoom
https://us02web.zoom.us/j/82274895945
la password verrà comunicata tramite email qualche ora prima dell'inizio del meeting

Day 1: November 8th, 2022

Schedule		
14:00 - 14:10	**Opening** ***Coordinatori ISTI-Day***	
14:10 - 14:30	**Intervento del Direttore DIITET** ***Emilio F. Campana***	
14:30 - 15:15	**Tavola rotonda: Ricerca informatica e trasferimento tecnologico: quale ruolo del CNR nei processi di innovazione?** ***Leo Gizzi*** **(INO-CNR, referente rapporti con industria per Area Ricerca Pisa),** ***Alberto Messina*** **(Head of R&I Unit on TV Production presso Rai),** ***Patrizia Alma Pacini*** **(Presidente Unione Industriale Pisana),** ***Andrea Piccaluga*** **(Direttore Institute of Management S.S.S.Anna),** **Modera:** ***Fabrizio Falchi*** **(ISTI-CNR)**	
15:15 - 15:35	**Intervento del Direttore ISTI** ***Roberto Scopigno***	
15:35 - 15:45	**Poster Fast Forward (1 minute speech for each poster)**	
15:45 - 16:15	**Break & Poster Session I**	
16:15 - 17:35	**Scientific Talks I**	A Journey towards a Deep-learning based Efficient No-Reference Image Quality Evaluation ***Francesco Banterle*** #Deep Learning #Image Processing #Image Quality Assessment Gross polluters and vehicle emissions reduction ***Matteo Bohm*** #HumanMobility #UrbanAnalytics #ClimateChange Injecting Transactions in RESTful Services ***Luca Frosini*** #ServiceOrientedComputing #RESTfulwebservices #RESTfultransactionmodel Distilled Neural Networks for Efficient Learning to Rank ***Cosimo Rulli*** #learningtorank #efficiency #neuralnetworks
17:35 - 17:40	**Closing**	

Poster Session I, November 8th, 15:45-16:15

Indoor Proximity Analysis through Indoor Localization Techniques
Paolo Barontini
#bluetooth, #indoor_localization, #proximity

MINTIME-DF: Video Deepfake Detection in the wild
Davide Coccomini
#Deepfake Detection #Vision Transformers

A Conversational Agent for Creating Flexible Daily Automation
Simone Gallo
#Chatbot #Trigger-Action Rules #End-User Development

Neural Network Optimization via Simulated Annealing
Ercan Kuruoglu
#neural network structure #non-convex optimization #MCMC

Generating Synthetic Mobility Networks with Generative Adversarial Networks
Giovanni Mauro
#ApplicationsOfAI #GenerativeAdversarialNetworks #HumanMobility #UrbanAnalytics

Joint Functional Safety and Cybersecurity validation for highly connected and autonomous vehicles
Francesco Merola
#FunctionalSafetyAssurance #Automotive #Cybersecurity

Explainable Deep Image Classifiers for Skin Lesion Diagnosis
Carlo Metta
#Explainable AI #Skin Lesion #Adversarial Autoencoder

Automatic Prune Binarization
Cosimo Rulli
#pruning #quantization #neuralnetworks

Day 2: November 15th, 2022

Schedule		
14:00 - 14:10	**Opening** ***Coordinatori ISTI-Day***	
14:10 - 14:20	**ISTI Awards Ceremony** ***Franco Maria Nardini***	
14:20 - 15:40	**Scientific Talks II**	Transparency of Automatic Web Accessibility Evaluation Tools ***Marco Manca*** #Accessibility - Automatic Validation #Tools - Transparency Quadmixer and SkinMixer: Composing Professional 3D Assets ***Stefano Nuvoli*** #Geometry Processing #Computer Graphics #Computer Animation Topological Data Analysis & Machine Learning ***Maria Antonietta Pascali*** #topological machine learning #persistent homology #classification Ensemble Model Compression for Fast and Energy-Efficient Ranking on FPGAs ***Salvatore Trani*** #LearningToRank #FPGA #EfficientInference
15:40 - 15:50	**Poster Fast Forward (1 minute speech for each poster)**	
15:50 - 16:20	**Break & Poster Session II**	
16:20 - 17:40	**Scientific Talks III**	Understanding the impact of explanations on advice-taking: a user study for AI-based clinical Decision Support Systems ***Andrea Beretta*** #ExplainableAI #Advice-taking #ClinicalDecisionSupportSystem Unobtrusive Machine Learning for Text Classification ***Andrea Esuli*** #MachineLearning #TextLearning How do requirements evolve during elicitation? An empirical study combining interviews and app store analysis ***Alessio Ferrari*** #requirementsEngineering #interviews #appStore Open Science and open scientometrics. A transition in the making. ***Andrea Mannocci*** #scientometrics #openscience #datascience
17:40 - 17:50	**Closing**	

Poster Session II, November 15th, 15:50-16:20

On the Applicability of Prototypical Part Learning in Medical Images: Breast Masses Classification Using ProtoPNet
Andrea Berti
#ExplainableAI #ProtoPNet #BreastMassesClassification

Who would help me? Measuring social effects on the evolution of psychological distress
Salvatore Citraro
#Complex Networks #Supportive online discourse #Online mental health communities

Deep Learning x Architecture: designing buildable shapes
Andrea Favilli
#Geometry Processing #Deep Learning #Computational Architecture

A Mobile Augmented Reality App for Creating, Controlling, Recommending Automations in Smart Homes
Andrea Mattioli
#Augmented Reality #Internet of Things #End-user Development

IMAGO: linking different KBs in Digital Humanities
Nicolò Pratelli
#Semantic Web #Ontologies #Digital Humanities

Mat-builder: a System to Build Semantically Enriched Trajectories
Chiara Pugliese
#mobility data #semantic enrichment #multiple-aspect trajectories

ILMART: Interpretable Ranking with Constrained LambdaMART
Alberto Veneri
#Interpretable Ranking #Interpretable Boosting

Representing Personalities in Humanoid Robots for Older Adults
Eleonora Zedda
#robot personality #humanoid robot #socially assistive robot