

International Workshop on Artificial Intelligence for Digital Humanities

Organized in conjunction with **ICIAP 2021**, the 21st International Conference on Image Analysis and Processing
Lecce, Italy, May 24, 2022, 2 p.m. CET

14:00 - 14:15 - Welcome and opening remarks - AI4DH Organizers: UNIMORE, POLITO, UNIMC



14:15 - 15:00 - Trusted Data Forever: Is AI the Answer? | Tracey P. Lauriault - Carleton University, Ottawa - Canada



15:00 - 15:45 - Lost identities: the duty of geomatics, the role of AI and the need for augmented worlds | Roberto Pierdicca - Polytechnic University of Marche, Ancona - Italy

Towards the creation of AI-powered queries using Transfer Learning on NLP model - the THESPIAN-NER experience | Alessandro Bombini, Lisa Castelli, Achille Felicetti, Franco Niccolucci, Anna Reccia, Francesco Taccetti

Integration of point clouds from 360° videos and deep learning techniques for rapid documentation and classification in historical city centers | Yuwei Cao, Mattia Previtali, Luigi Barazzetti, Marco Scaioni

Detecting Fake News in MANET Messaging Using an Ensemble Based Computational Social System | Amit N. Ramkissoon, Wayne Goodridge

15:45 - 16:45

The Morra Game: Developing an Automatic Gesture Recognition System to Interface Human and Artificial Players | Franco Delogu, Sergio M. G. Solinas, Carla Meloni, Beniamina Mercante, Paolo Enrico, Rachele Fanari, Antonello Zizi, Francesco De Bartolomeo

PergaNet: a deep learning framework for automatic appearance-based analysis of ancient parchment collections | Marina Paolanti, Rocco Pietrini, Benedetto Compagnoni, Antonella Cesarini, Luca Fois, Pierluigi Feliciati, Emanuele Frontoni

Transformers with YOLO network for damage detection in limestone wall images | Koubouratou O. Idjaton, Xavier Desquesnes, Sylvie Treuillet, Xavier Brunetaud

16:45 - 17:00 - Coffee Break

17:00 - 18:00 - Round Table **Invited Labs**

18.00 - Closing Remarks

INVITED LABS

- **DEKHALOS** | Polytechnic University of Marche, Ancona, Italy
- **Andreas Pittas Art Characterization Labs (APAC)** | The Cyprus Institute, Nicosia, Cyprus
- **Laboratory on Scientific and Topographic Applications for Operational Survey (ASTRO)** | University of Pisa, Pisa, Italy
- **Intelligent Information Mining research group** | La Sapienza, Rome, Italy
- **3D Optical Metrology Unit** | Bruno Kessler Foundation, Trento, Italy
- **Media Integration and Communication Center (MICC)** | University of Florence, Florence, Italy
- **Institute of Information Science and Technologies "Alessandro Faedo" (ISTI)** | The National Research Council of Italy (CNR), Pisa, Italy

