FBK PHD DAY 2020

Friday, February 21st 2020 - Sala Stringa, FBK Povo

9:00 – 9:15   **Welcome (Bernardo Magnini)**

9:15–10:00   **Short presentations - 5' (student graduating in Spring 2020)**
[1] Ahmad Tahir   Access Control for IoT: Problems and solutions in the smart home
[2] Bertò Giulia   Supervised Learning for White Matter Bundle Segmentation
[3] Cataldo Ilaria   The relationships among genes, psychological traits, and social behavior
[4] Daniele Alessandro Neural Networks Enhancement through Prior Logical Knowledge
[5] Fastelli Ambra   Implicit Learning and Deafness: from the Assessment to the Design and
                              Implementation of a Serious game-based Training for Deaf Children with Cochlear
                              Implants
[6] Franch Gabriele   Deep Learning for Spatiotemporal Nowcasting
[7] Grilli Eleonora   Automatic classification of architectural and archaeological 3D data
[8] Lakew Surafel Melaku   Multilingual Neural Machine Translation for Low-Resource Languages

10:00–10:30   **Keynote: Elena Cardillo (IIT-CNR, Cosenza)**
                              "A return trip to Trento: from the anxieties of a PhD student to the
                              gratifying daily activity of a researcher"

10:30 – 10:45   **Message from FBK's President, Francesco Profumo**
10:45 – 11:00   **Welcome to new PhD students**

11:00–11:30   **Short presentations – 5' (student graduating in Spring 2020)**
[1] Landi Isotta Stratification of autism spectrum conditions by deep encodings
[2] Lucchini Lorenzo   A new era for regulators: code and the genetics of cryptocurrencies
[3] Mancini Massimiliano   Adaptive Deep learning: extending deep architectures to new domains and
                              concepts
[4] Marchetti Francesca   Carbon – based nanofluids and hybrid natural polymers for enhanced solar-
                              driven evaporation of water: synthesis and characterization
[5] Saha Sudipan   Advanced deep learning based multi-temporal remote sensing image analysis
[6] Zarghami Majid Characterization, calibration, and optimization of time-resolved CMOS single-   photon
                              avalanche diode image sensor

11:30–13:00   **Poster session (3rd and 4th year students) + coffee break**
Best poster selection: every participant can vote for the best poster by sticking a "best poster" sticker on the
poster. Two stickers are delivered to each participant at the reception desk outside Sala Stringa.

[1] Antonini Mattia   Embedding Artificial Intelligence in the IoT Edge
[2] Balaraman Vevake Towards Scalable End-to-End Dialogue State Tracking for Task-oriented Dialogue
                              Systems

[3] Corsalini Matteo — How to address corporate constitutional rights…right. The case of corporate religious freedom

[4] Dabrowski Jacek — Mining and Analyzing App Store Reviews for Software Engineering

[5] Damu Ding — Estimating Logarithmic and Exponential Functions to Track Network Traffic Entropy in P4

[6] Dashti Salimeh — A tool-assisted methodology for data protection impact assessment

[7] Donini Elena — Automatic algorithms for the analysis of radar sounder data

[8] Franks Matthew — Design and characterisation of high-speed DMAPS detectors

[9] Krik Soufiane — DFT simulations of materials used as sensing elements for chemoresestive gas sensors

[10] Lauriola Ivano — Towards feature spaces of deep kernels: synergy with neural networks and applications to Natural Language Processing

[11] Lorenzini Matteo — Computer assisted curation of digital cultural heritage repositories

[12] Louvan Samuel — Natural Language Understanding for Resource-Poor Domains in Task-Oriented Dialogue Systems

[13] Pincheira Miguel — A blockchain-based decentralized framework for autonomous interactions of IoT devices

[14] Pratticò Luca — Analysis of radiation propagation inside a hierarchical solar volumetric absorber

[15] Putelli Luca — Deep learning for information extraction in the biomedical domain

[16] Rutta Carolina — Comic-based Digital Storytelling with Primary School Children

[17] Sharif Amir — Mitigating Logical Vulnerabilities in Mobile Identity Management

[18] Subramanya Tejas — Towards Zero-touch Management and Orchestration of MEC-enabled 5G Networks and Beyond: Intelligent Modeling and Practical Implementation

[19] Tebbifakhr Amirohossein — Machine Translation for Machines: the Sentiment Classification Use Case

[20] Dost Shahi — Semantic Interpretation of Image with Text

[21] Lakhal Mohamed — View-LSTM: novel-view video synthesis through view decomposition

13:00−13:30   **Best Poster Award**
Excellence Certificates
Best Student Award (10′ presentation)

Keynote

Title: A return trip to Trento: from the anxieties of a PhD student to the gratifying daily activity of a researcher

Speaker: Elena Cardillo (IIT-CNR, Cosenza)

Short bio: Elena Cardillo is a researcher at the Institute of Informatics and Telematics of the National Research Council in Rende (IIT- CNR) since November 2013. In 2011 she received her PhD in Information and Communication Technologies at the University of Trento, in conjunction with the DKM and e-Health research units of Fondazione Bruno Kessler (Trento), where she also worked for three years as researcher in the field of Knowledge Organization and Representation applied to the domain of healthcare. Her research interests are focused on knowledge management, representation and integration, Semantic Interoperability, more specifically on the development and integration of Knowledge Organization Systems, on Document Management and metadata models, and on Semantic Web technologies. She has been involved in national and international projects related to semantic interoperability in the domain of e-health and collaborates with several national and international private and public institutions. During the last six years she worked on the national federated Electronic Health Record (EHR) project, supporting the Agency of Digital Italy and Regions in the definition of guidelines and in the implementation of the national EHR and in implementing additional web services for terminology management. She also teaches courses on Knowledge Organization and Representation at the University of Calabria and provides training activities for the use and dissemination of international coding systems. Finally, she is member of various national and international associations working on her field of interests.