



IEEE CyberSciTech / PICom / DASC / CBDCoM 2022

Calabria, Italy

Program Agenda

The 7th IEEE Cyber Science and Technology Congress (CyberSciTech 2022)

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- 29 Yueyu Dong, Fei Dai and Mingming Qin. A Privacy-Preserving Deep Learning Scheme for Edge-enhanced Smart Homes
- 31 Xiansheng Wang and Ke Yan. Fault Detection and Diagnosis of HVAC System Based on Federated Learning
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- 230 Jixiang Gan, Li Pan, Yuanyuan Jin, Qi Liu and Xiaodong Liu. A Load Forecasting Approach Based on Graph Convolution Neural Network
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- 235 Maheesha Dhashantha Silva, Qi Liu and Oscar Famous Darteh. A Recent Review of NILM Framework: Development and Challenges
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The 20th IEEE International Conference on Dependable, Autonomic & Secure Computing (DASC 2022)

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- 145 Megha Quamara, Gabriel Pedroza and Brahim Hamid. Facilitating safety and security co-design and formal analysis in multi-layered system modeling
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- 205 Kumar Priyansh, Ritu Dimri, Fahim Islam Anik, Mst Shapna Akter, Hossain Shahriar, Zakirul Alam Bhuiyan and Nazmus Sakib. DuRBIN: A Comprehensive Approach to Analysis and Detection of Emerging Threats due to Network Intrusion
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- 9 Alexander Dörflinger, Benedikt Kleinbeck, Mark Albers, Harald Michalik and Martin Moya. A Framework for Fault Tolerance in RISC-V
- 14 Trupil Limbasiya, Arijit Karati and Debasis Das. SELECT: Secure and Lightweight Context-Aware Mechanism for Smart Vehicular Networks
- 16 Chloe Vonderlinden, Joesph Walton, Tony Melaragno and William Casey. The Visualization of Ransomware Execution

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- 84 Sara A. Alsalamah, Shada Alsalamah, Hessah Alsalamah and Chang-Tien Lu. Towards a Patient-Centered Virtual Hospital Ecosystem: A Fine Grained VHealth-AC Model for Hospitals' Legacy Information Systems

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1st International Workshop on IoT & Security (IoT&Security) / Social and BIometric data for APplications in human-machine interactions (SOBIOAPPS) - Part 1

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- 19 Francesco Mercaldo, Mario Cesarelli, Antonella Santone and Fabio Martinelli. Emotion Recognition from Facial Expression using Explainable Deep Learning
- 60 Davide Andreoletti, Omran Ayoub, Achille Peternier, Tiziano Leidi and Silvia Giordano. Sensor and Feature Selection for Lightweight Emotion Recognition on Resource-Constrained Smartwatches
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20th International Workshop on Assurance in Distributed Systems and Networks (ADSN 2022) - Part 1

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20th International Workshop on Assurance in Distributed Systems and Networks (ADSN 2022) / 6th International Workshop on Emerging Dependable Computing System Technologies and Applications (EDCSTA 2022) / BigCyberSecurity 2022 - Part 2

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- 215 Lujia Pan, Marcus Kalander, Yuchao Zhang and Pinghui Wang. Contrastive Representation based Active Learning for Time Series
- 216 Chengjin Yang, Dongdong Xie, Linxi Cai and Pinghui Wang. FBPB-SE: A Forward and Backward Private Blockchain-based Searchable Encryption with Fuzzy Multi-keyword
- 134 Kazuaki Tanaka and Hiroyuki Maeda. Robust Indoor Positioning Method using BLE and Wireless Mesh Network
- 222 Toshihiro Uchibayashi, Bernady Apduhan, Takuo Suganuma and Masahiro Hiji. Design and Implementation of a Data-Auditing Mechanism for Container Migration

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1st International Workshop on Hybrid Internet of Everything Models for Industry 5.0 (HIEMI)

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- Claudia Diamantini, Alex Mircoli, Ornella Pisacane and Domenico Potena.
120 Comparing data-driven meta-heuristics for the bi-objective Component Repairing Problem
- 125 Paola Pierleoni, Alberto Belli, Lorenzo Palma, Luisiana Sabbatini and Sara Raggiunto. An IoT-based Wireless Sensor Network for Lighting Control Systems
- 180 Tullio Facchinetti, Marco Arazzi and Antonino Nocera. Time series forecasting for predictive maintenance of refrigeration systems

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- 132 Toyotaro Suzumura, Akiyoshi Sugiki, Hiroyuki Takizawa, Akira Imakura, Hiroshi Nakamura, Kenjiro Taura, Tomohiro Kudoh, Toshihiro Hanawa, Yuji Sekiya, Hiroki Kobayashi, Yohei Kuga, Ryo Nakamura, Renhe Jiang, Junya Kawase, Masatoshi Hanai, Hiroshi Miyazaki, Tsutomu Ishizaki, Daisuke Shimotoku, Daisuke Miyamoto, Kento Aida, Atsuko Takefusa, Takashi Kurimoto, Koji Sasayama, Naoya Kitagawa, Ikki Fujiwara, Yusuke Tanimura, Takayuki Aoki, Toshio Endo, Satoshi Ohshima, Keiichiro Fukazawa, Susumu Date and Toshihiro Uchibayashi. mdx: A Cloud Platform for Supporting Data Science and Cross-Disciplinary Research Collaborations
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- 181 Fabrizio Marozzo, Alessio Orsino, Domenico Talia and Paolo Trunfio. Edge Computing Solutions for Distributed Machine Learning
- 207 Attiq Ur-Rehman, Joarder Kamruzzaman, Iqbal Gondal and Alireza Jolfaei. Cyber Resilience Modelling for the Operations of Hybrid Network

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- 79 Alfredo Cuzzocrea, Carson Leung, Mojtaba Hajian and Marshall Jackson. Effectively and Efficiently Supporting Predictive Big Data Analytics over Open Big Data in the Transportation Sector: A Bayesian Network Framework
- 92 Wajeeha Iqbal, Abdul Javed, Muhammad Rizwan, Gautam Srivastava and Thippa Reddy Gadekallu. Blockchain Based Secure Communication for IoT Devices in Smart Cities

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- 72 Muhammad Uzair, Stefania Tomasiello, Evelin Loit and Jerry Chun Wei-Lin. Predicting the soil organic carbon by recent machine learning algorithms
- 85 Bailey Janeczko, Doug Pickering and Gautam Srivastava. Western Hockey League (WHL) Regularized Adjusted Plus-Minus

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- 58 Yu Zhang, Min Wang, Michael Zipperle, Alireza Abbasi and Morteza Saberi. S-index: Significance of Academic Authors to Individual Publication Venues
- 74 Jimmy Ming-Tai Wu, Shuo Liu and Jerry Chun-Wei Lin. Mining of High-Utility Sequence Patterns in Large-Scale Uncertain Databases

Social Event (September 14, 2022)

Location: Hotel Eurolido, Falerna (CZ), Italy

16.00-19.30: Sightseeing of Tropea town “the Pearl of the Tyrrhenian Sea”

20.00-20.30: Presentation of the Book “Io Amo” (“I love”) written by Maestro Gianfranco Fasano

20.30-22.30: Social Dinner

22.30-23.00: Musical Corner: Maestro Gianfranco Fasano & “guest star” Carlo Antonio Fortino (Winner of All Together Now Kids 2021)

23.00-23.30: Conference Awards

23.30-00.00: Conference Cake & Champaign Final Toast