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Nota di contenuto	Intro -- Welcome Message from the INCoS-2021 Organizing Committee -- INCoS-2021 Organizing Committee -- Honorary Chairs -- General Co-chairs -- Programme Co-chairs -- International Advisory Committee -- International Liaison Co-chairs -- Award Co-chairs -- Web Administrator Co-chairs -- Local Arrangement Co-chairs -- Finance Chair -- Steering Committee Chair -- Track Areas and PC Members -- Track 1: Data Mining, Machine Learning and Collective Intelligence -- Track Co-chairs -- TPC Members -- Track 2: Intelligent Systems and Knowledge Management -- Track Co-chairs -- TPC Members -- Track 3: Wireless and Sensor Systems for Intelligent Networking and Collaborative Systems -- Track Co-chairs -- TPC Members -- Track 4: Service-Based Systems -- Track Co-chairs -- TPC Members -- Track 5: Networking Security and Privacy -- Track Co-chairs -- TPC Members -- Track 6: Big Data Analytics for Learning, Networking and Collaborative Systems -- Track Co-chairs -- TPC Members -- Track 7: Cloud Computing: Services, Storage, Security and Privacy -- Track Co-chairs -- TPC Members -- Track 8: Social

Networking and Collaborative Systems -- Track Co-chairs -- TPC Members -- Track 9: Intelligent and Collaborative Systems for e-Health -- Track Co-chairs -- TPC Members -- Track 10: Big Data Analytics for Learning, Networking and Collaborative Systems -- Track Co-chairs -- TPC Members -- INCoS-2021 Reviewers -- INCoS-2021 Keynotes -- Big Data Management for Data Streams -- Convergence of Broadcast and Broadband in 5G Era -- Contents -- Performance Comparison of CM and LDVM Router Replacement Methods for WMNs by WMN-PSOSA-DGA Hybrid Simulation System Considering Stadium Distribution of Mesh Clients -- 1 Introduction -- 2 Proposed and Implemented Simulation System -- 2.1 Velocities and Positions of Particles -- 2.2 Routers Replacement Methods -- 2.3 DGA Operations. 2.4 Fitness and Migration Functions -- 2.5 Particle-Pattern and Gene Coding -- 3 Simulation Results -- 4 Conclusions -- References -- Effects of Augmented Reality Markers for Networked Robot Navigation -- 1 Introduction -- 2 Welfare Robot Navigation System -- 3 Experiments on Planar AR Markers -- 3.1 Geometrical Measurement -- 3.2 Identification Accuracy in Terms of Markers' Feature Points -- 4 Conclusion -- References -- Algorithm Based on Local Search Method for Examination Proctors Assignment Problem Considering Various Constraints -- 1 Introduction -- 2 Previous Research -- 3 Examination Proctors Assignment Problem -- 4 Local Search Algorithm -- 5 Performance Evaluation -- 6 Conclusion -- References -- Bio-inspired VM Introspection for Securing Collaboration Platforms -- 1 Introduction -- 2 Security and Privacy in Collaboration Platforms -- 3 Artificial Immune System Based Intrusion Detection -- 3.1 Negative Selection Algorithm -- 4 Proposed Security Approach -- 5 Experimental Evaluation -- 6 Conclusions -- References -- Artificial Intelligence-Based Early Prediction Techniques in Agri-Tech Domain -- 1 Introduction -- 2 Research Objectives -- 3 A Case of Study: Early Warning Prediction of Mastitis -- 4 Conclusions -- References -- Automatic Measurement of Acquisition for COVID-19 Related Information -- 1 Introduction -- 2 COVID-19 -- 3 COVID-19 Applications -- 4 NLP Pipeline in Python -- 5 Conclusions -- References -- Algorithms for Mastering Board Game Nanahoshi Considering Deep Neural Networks -- 1 Introduction -- 2 Previous Research -- 3 Game AI for Nanahoshi Using Game Tree Search -- 3.1 Game Tree Search -- 3.2 Monte Carlo Tree Search -- 4 Game Tree Search Using Deep Learning -- 4.1 Basic Idea of Game Tree Search Using Deep Learning -- 4.2 Monte Carlo Tree Search Using Deep Learning -- 5 Performance Evaluation -- 6 Conclusion -- References. Revealing COVID-19 Data by Data Mining and Visualization -- 1 Introduction -- 2 Related Works -- 3 Our Data Science Solution -- 3.1 Data Collection -- 3.2 Data Preprocessing -- 3.3 Data Mining and Visualization -- 4 Evaluation -- 5 Conclusions -- References -- An Approach to Enhance Academic Ranking Prediction with Augmented Social Perception Data -- 1 Introduction -- 2 Related Work -- 3 Data and Methodology -- 3.1 Data Collection -- 3.2 Data Preparation -- 4 Results -- 4.1 Exploratory Data Analysis -- 4.2 Correlation Analysis -- 4.3 Predictive Model -- 5 Discussion -- 6 Conclusion -- References -- A Fuzzy-Based System for User Service Level Agreement in 5G Wireless Networks -- 1 Introduction -- 2 Software-Defined Networks (SDNs) -- 3 Outline of Fuzzy Logic -- 3.1 Linguistic Variables -- 3.2 Fuzzy Control Rules -- 3.3 Defuzzification Method -- 4 Proposed Fuzzy-Based System -- 5 Simulation Results -- 6 Conclusions and Future Work -- References -- Cognitive Approach for Creation of Visual Security Codes -- 1 Introduction -- 2 Cognitive Solutions in Security Technologies -- 3 An Idea of Visual Security Codes -- 4 Conclusions -- References --

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