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   Optical data processing
   Artificial Intelligence
   Computer Communication Networks
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   Nota di contenuto   5th Workshop on "5G-Putting Intelligence to the Network Edge" (5G-PINE 2020) -- A Framework to Support the 5G Densification -- A new approach to 5G and MEC integration -- Business Aspects of the Neutral Host Model: The Immersive Video Services Case -- Combined 5G-based Video Production and Distribution in a Crowded Stadium Event -- Dynamic Network Slicing: Challenges and Opportunities -- Dynamic Resource Allocation and Computation Offloading for Edge Computing System -- Intelligent orchestration of end-to-end network slices for the allocation of mission critical services over NFV architectures -- On the Prediction of Future User Connections Based on Historical Records

in Wireless Networks -- Programmable edge-to-cloud virtualization for 5G media industry: The 5G-MEDIA Approach -- Protocol Deployment for Employing Honeypot-as-a-Service -- Threat Landscape of Next Generation IoT-enabled Smart Grids -- Towards a Smart Port: The Role of the Telecom Industry -- 9th Mining Humanistic Data Workshop (MHDW 2020) -- A Graph-based Extension for the Set-based Model Implementing Algorithms based on Important Nodes -- A Sentiment-Based Hotel Review Summarization using Machine Learning Techniques -- An advanced deep learning model for short-term forecasting U.S. natural gas price and movement -- Fake News Detection Regarding the Hong Kong Events from Tweets -- Improving Movie Recommendation Systems Filtering by Exploiting User-based Reviews -- The Converging Triangle Of Cultural Content, Cognitive Science, and Behavioral Economics -- Application and Algorithm: Maximal Motif Discovery for Biological Data in a Sliding Window -- Fingerprints Recognition System-Based on Mobile Device Identification using Circular String Pattern Matching Techniques -- Mining and Analysis of Air Quality data to aid Climate Change.

Sommario/riassunto	This book constitutes the refereed proceedings of two International Workshops held as parallel events of the 16th IFIP WG 12.5 International Conference on Artificial Intelligence Applications and Innovations, AIAI 2020, in Neos Marmaras, Greece, in June 2020: the 9th Mining Humanistic Data Workshop, MHDW 2020, and the 5th Workshop on 5G-Putting Intelligence to the Network Edge, 5G-PINE 2020.* The 6 full papers and 3 short papers presented at MHDW 2020 were carefully reviewed and selected from 16 submissions; out of the 23 papers submitted to 5G-PINE 2020, 11 were accepted as full papers and 1 as a short paper. The MHDW papers focus on topics such as recommendation systems, sentiment analysis, pattern recognition, data mining, and time series. The papers presented at 5G-PINE focus on the latest AI applications in the telecommunication industry and deal with topics such as the Internet of Things, intelligence fusion in 5G networks, and 5G media. *The workshops were held virtually due to the COVID-19 pandemic.