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| Nota di contenuto | Chapter 1: CapsNet vs CNN: Analysis of the Effects of Varying Feature Spatial Arrangement -- Chapter 2: Improved 2D Human Pose Tracking using Optical Flow Analysis -- Chapter 3: Transferability of Fast Gradient Sign Method -- Chapter 4: Design of an Automatic System to Determine the Degree of Progression of Diabetic Retinopathy -- Chapter 5: Adaptive Attention Mechanism based Semantic Compositional Network for Video Captioning -- Chapter 6: Estimated Influence of Online Management Tools on Team Management based on the Research With the Use of the System of Organizational Terms -- Chapter 7: Liveness Detection via Facial Expressions Queue Bat-Erdene Batsukh -- Chapter 8: Java based Application Development for Facial Identification using OpenCV Library -- Chapter 9: Challenges in Face Recognition using Machine Learning Algorithms: Case of Makeup and Occlusions -- Chapter 10: The Effects of Social Issues and Human |

Sommario/riassunto

The book Intelligent Systems and Applications - Proceedings of the 2020 Intelligent Systems Conference is a remarkable collection of chapters covering a wider range of topics in areas of intelligent systems and artificial intelligence and their applications to the real world. The Conference attracted a total of 545 submissions from many academic pioneering researchers, scientists, industrial engineers, students from all around the world. These submissions underwent a double-blind peer review process. Of those 545 submissions, 177 submissions have been selected to be included in these proceedings. As intelligent systems continue to replace and sometimes outperform human intelligence in decision-making processes, they have enabled a larger number of problems to be tackled more effectively. This branching out of computational intelligence in several directions and use of intelligent systems in everyday applications have created the need for such an international conference which serves as a venue to report on up-to-the-minute innovations and developments. This book collects both theory and application based chapters on all aspects of artificial intelligence, from classical to intelligent scope. We hope that readers find the volume interesting and valuable; it provides the state of the art intelligent methods and techniques for solving real world problems along with a vision of the future research.