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Nota di contenuto	Intro -- Preface -- Organization -- Abstracts of Keynotes -- Is "Big Tech" Becoming the "Big Tobacco" of Artificial Intelligence? -- Machine Learning: A Key Ubiquitous Technology in the 21st Century -- Human-Centered Computer Vision: Core Components and Applications -- Unveiling Recurrent Neural Networks - What Do They Actually Learn and How? -- Deep Learning and Kernel Machines -- How Can Artificial Intelligence Efficiently Support Sustainable Development? -- Backpropagation Free Deep Learning -- Brain-Inspired Data Analytics for Incremental and Transfer Learning of Cognitive Spatio-Temporal Data and for Knowledge Transfer -- Abstracts of Tutorials -- Modern Methods and Tools for Human Biosignal Analysis -- Anomaly Detection in Images -- Contents -- Adaptive Modeling/Neuroscience -- 'If Only I Would Have Done that...': A Controlled Adaptive Network Model for Learning by Counterfactual Thinking -- 1 Introduction -- 2 Literature Review -- 3 The Modeling Approach for Controlled Adaptive Networks -- 4 A Controlled Adaptive Network Model for Counterfactual Thinking -- 5 Simulation Results -- 6 Verification of the Model by Analysis of Stationary Points -- 7 Discussion -- References -- A Computational Model for the Second-Order Adaptive Causal Relationships Between Anxiety, Stress and Physical Exercise -- 1

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