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Titolo	Recent Advances in Embedded Computing, Intelligence and Applications
Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
Descrizione fisica	1 online resource (188 p.)
Soggetti	Information technology industries
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>The latest proliferation of Internet of Things deployments and edge computing combined with artificial intelligence has led to new exciting application scenarios, where embedded digital devices are essential enablers. Moreover, new powerful and efficient devices are appearing to cope with workloads formerly reserved for the cloud, such as deep learning. These devices allow processing close to where data are generated, avoiding bottlenecks due to communication limitations. The efficient integration of hardware, software and artificial intelligence capabilities deployed in real sensing contexts empowers the edge intelligence paradigm, which will ultimately contribute to the fostering of the offloading processing functionalities to the edge. In this Special Issue, researchers have contributed nine peer-reviewed papers covering a wide range of topics in the area of edge intelligence. Among them are hardware-accelerated implementations of deep neural networks, IoT platforms for extreme edge computing, neuro-evolvable and neuromorphic machine learning, and embedded recommender systems.</p>

2. Record Nr.	UNINA9910150448103321
Titolo	3rd International Multidisciplinary Microscopy and Microanalysis Congress (InterM) : Proceedings, Oludeniz, Turkey, 19-23 October 2015 // edited by Ahmet Yavuz Oral, Zehra Banu Bahsi Oral
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-46601-1
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XX, 255 p. 147 illus., 92 illus. in color.)
Collana	Springer Proceedings in Physics, , 1867-4941 ; ; 186
Disciplina	621.36
Soggetti	Spectrum analysis Biophysics Materials - Analysis Spectroscopy Bioanalysis and Bioimaging Characterization and Analytical Technique
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Structural Analysis of Long Single-Stranded RNA Molecules with Atomic Force Microscopy Imaging -- Recombinant Fluorescent Ligand of Potassium Kv1.1 and Kv1.3 Channels: Design, Properties and Applications -- Single-Particle FRET Microscopy of Immobilized Nucleosomes: Technique Development -- Post Embryonic Changes in the Eye of an Economic Mango Plant Pest Amritodus Atkinsoni Leth. (Hemiptera : Cicadellidae) -- Elemental Analysis of Various Feathers of Indian Rose Ringed Parakeet Psittacula Krameri -- Interaction of Innate Immunity Cells with Composite Calcium Phosphate Coatings on Magnesium Alloy -- PNIPA Microgel and Alcian Blue Dye Aqueous Solution nteraction (Microscopic nvestigation) -- Biofungicides in Nursery Production -- Cells shrinkage and Phosphatidylserine Externalization in Post Mortem Muscle by Fluorescence Microscopy.
Sommario/riassunto	The 3rd International Multidisciplinary Microscopy Congress (InterM2015), held from 19 to 23 October 2015, focused on the latest developments concerning applications of microscopy in the biological,

physical and chemical sciences at all dimensional scales, advances in instrumentation, techniques in and educational materials on microscopy. These proceedings gather 17 peer-reviewed technical papers submitted by leading academic and research institutions from nine countries and representing some of the most cutting-edge research available.
