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Descrizione fisica	1 online resource (691 pages)
Collana	Lecture Notes in Networks and Systems, , 2367-3389 ; ; 524
Disciplina	681.2
Soggetti	Computational intelligence Engineering - Data processing Cooperating objects (Computer systems) Industrial engineering Production engineering Computational Intelligence Data Engineering Cyber-Physical Systems Industrial and Production Engineering
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Novel Dynamometer: the Gripwise -- Software Configurable Hardware-based Remote Laboratory System -- Software Configurable Hardware-based Remote Laboratory System -- Printed Wearable Accessories For Electrochemical Applications -- AES Hardware Implementation Based On FPGA With Improved Throughput -- The Impact of Digitization on the Romanian Music Therapists -- New Laccase Portable Monitor -- Remote Microelectronics Experimentation based on VISIR Remote Laboratory: Expanding VISIR Functionalities -- Development Of a Simulator Tool For Teaching The Autonomous Vehicles Behavior -- Work in Progress: Hardware Design of a Smart Wristband Used for Epileptic Seizure Detection.
Sommario/riassunto	Nowadays, online technologies are the core of most fields of

engineering and the whole society and are inseparable connected for example with Internet of Things & Industrial Internet of Things (Industry 4.0), Online & Biomedical Engineering, Data Science, Machine Learning, and Artificial Intelligence, Cross & Mixed Reality, and Remote Working Environments. to name only a few. Since the first REV conference in 2004, we tried to focus on the upcoming use of the Internet for engineering tasks and the opportunities as well as challenges around it. Consequently, the motto of this year's REV2022 was "Artificial Intelligence and Online Engineering". In a globally connected world, the interest in online collaboration, teleworking, remote services, and other digital working environments is rapidly increasing. In response to that, the general objective of this conference is to contribute and discuss fundamentals, applications, and experiences in the field of Online and Remote Engineering, Virtual Instrumentation and other related new technologies like Cross Reality, Data Science & Big Data, Internet of Things & Industrial Internet of Things, Industry 4.0, Cyber-Security, and M2M & Smart Objects. Another objective of the conference is to discuss guidelines and new concepts for engineering education in higher and vocational education institutions, including emerging technologies in learning, MOOCs & MOOLs, and Open Resources. REV2022 was the 19th in a series of annual events concerning the area of Online Engineering. It has been organized in cooperation with The British University in Egypt (BUE), Cairo, as a hybrid event from February 28 until March 02, 2022.

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