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| Descrizione fisica      | 1 online resource (XI, 284 p. 127 illus., 92 illus. in color.)  |
| Collana                 | Information Systems and Applications, incl. Internet/Web, and HCI ; ; 11792   |
| Disciplina              | 620.00420285  |
| Soggetti                | User interfaces (Computer systems)<br>Computer organization<br>Management information systems<br>Computer science<br>Software engineering<br>User Interfaces and Human Computer Interaction<br>Computer Systems Organization and Communication Networks<br>Management of Computing and Information Systems<br>Software Engineering/Programming and Operating Systems  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Nota di contenuto       | A Domain Ontology and Software Platform for Collaborative Personal Data Analytics -- Modeling users behavior in groupware applications -- Cellular Automata Epidemic(CAE) Model for Language Development Prediction -- EECR: Energy-Efficient Cooperative Routing for EM-Based Nanonetworks -- Cardiovascular System Monitoring via Wireless Nanosensor Networks -- Computer vision approach for indoor location recognition within an augmented reality mobile application -- Spacecraft Interface Management in Concurrent Engineering Sessions -- Enhancing Automation in the Construction Equipment Industry through Implementation of BIM -- Digital Availability of Product Information for Collaborative Engineering of Spacecraft -- I <sup>2</sup> PHEN : A Novel Interoperable IoT Platform for Medical Telemonitoring -- A new |

index for measuring inconsistencies in independent component analysis using multi-sensor data -- From sensors to BIM: monitoring comfort conditions of social housing with the KlimaKit Model -- Showing Ultra-High-Resolution Images in VDA-Based Scalable Displays -- Automating the Integration of 4D Models in Game Engines for a Virtual Reality-based Construction Simulation -- BIM'ShareLab A Framework for an Advanced BIM Training -- Implementing Mobile Technology on Construction Sites: An Ethnographic Action Research Approach -- Many valued logics supporting establishment of a new research structure in an educational organization -- Distance collaboration in performing arts - a use case and lessons learned -- A cooperative drawing tool to improve children's creativity -- Analysis of instrumental practices in collaborative design : method of identifying needs, and their effectiveness -- Effectiveness of Color-Picking Interfaces among Non-Designers -- Private Security for the Cloud Mobile via a Strong Authentication Method -- Mobile Finance with Collaborative Application of the Fintech ABCD Technologies -- Collaboration and Co-Creation in a General Engagement Platform to Foster Organizational Benefits during a Post- Project-Phase -- Decision-Making in Crowdfunding – the Value of Behavioral Issues in Collaborative Business Environments -- Application of decision support systems for advanced equipment selection in construction -- The collective construction and management of spatial knowledge in open spaces: A pilot study -- Machine learning method for spinning cyber-physical production system subject to condition monitoring -- Turbulence Enhancement for SPH Fluids Visualization -- Residual Feature Pyramid Architecture for Monocular Depth Estimation -- FindImplant: An online Application for Visualizing the Dental Implants from X-Ray Images -- Newtrap: Improving biodiversity surveys by enhanced handling of visual observations.

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#### Sommario/riassunto

This book constitutes the proceedings of the 16th International Conference on Cooperative Design, Visualization, and Engineering, CDVE 2019, held in Alcudia, Mallorca, Spain, in October 2019. The 26 revised full papers and 6 short papers presented were carefully reviewed and selected from 68 submissions. The achievement, progress and future challenges are reported in areas such as aerospace engineering, remote medical monitoring, automatic machine monitoring, cooperative personal data analytics, mobile banking, remote cooperative art performance management etc. In traditional areas such as architecture, civil engineering and construction, cooperative learning, enterprise management etc. authors also show new findings and new methodologies in their papers. This gives the readers a fresh look of how the CDVE technology is shaping our industry and daily life. .

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