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Collana	Advances in Intelligent Systems and Computing, , 2194-5365 ; ; 971
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Soggetti	Manufactures Computer-aided engineering User interfaces (Computer systems) Human-computer interaction Engineering design Control engineering Robotics Automation Computer simulation Machines, Tools, Processes Computer-Aided Engineering (CAD, CAE) and Design User Interfaces and Human Computer Interaction Engineering Design Control, Robotics, Automation Computer Modelling
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Nota di contenuto	Development of an Intelligent Robotic Additive Manufacturing Cell for the Nuclear Industry -- Manageable and Scalable Manufacturing IT

Through an App Based Approach -- Ergonomics Principles for the Design of an Assembly Workstation for Left-Handed and Right-Handed Users -- Impact of Industry 4.0 on Occupational Health and Safety -- Lean Production Management Model for SME Waste Reduction in the Processed Food Sector in Peru -- Qualitative Features of Human Capital in the Formation of Enterprise Agility. Research Results in Polish Enterprises.

Sommario/riassunto

This book discusses the latest advances in manufacturing and process control, with a special emphasis on digital manufacturing and intelligent technologies for manufacturing and industrial processes control. The human aspect of the developed technologies and products, their interaction with the users, as well as sustainability issues, are covered in detail. Development of new products using rapid prototyping systems, remote fabrication, and other advanced techniques, is described in detail, highlighting the state-of-the-art and current challenges. Based on both the AHFE 2019 International Conference on Human Aspects of Advanced Manufacturing, and the AHFE 2019 International Conference on Advanced Production Management and Process Control, held on July 24-28, 2019, in Washington D.C., USA, this book also highlight important strategies for managing enterprise of the future.
