



Digital Product and Process Development Systems [IFIP TC 5 International Conference, NEW PROLAMAT 2013, Dresden, Germany, October 10-11, 2013. Proceedings /

Kovács, George L,

ed. lit

Kochan, Detlef,

ed. lit

Springer Berlin Heidelberg,

2013

Computer aided design

Information technology

Computer science

Computer-Aided Engineering (CAD, CAE) and Design

Information Systems

Applications (incl. Internet)

IT in Business

Computer Applications

Monografía

This book constitutes the refereed proceedings of the IFIP TC 5 International Conference on Digital Product and Process Development Systems, NEW PROLAMAT 2013, held in Dresden, Germany, in October 2013. The conference succeeds the International Conference on Programming Languages for Machine Tools, PROLAMAT 2006, held in Shanghai, China in 2006. In order to demonstrate the new orientation toward IT innovations, the acronym PROLAMAT has been changed into NEW PROLAMAT and is now interpreted as Project Research on Leading-Edge Applications and Methods for Applied Technology. The 42 revised papers were carefully reviewed and selected for inclusion in the volume. They have been organized in the following topical sections: digital product and process development; additive manufacturing; quality management; standardization and knowledge management developments; and simulation of procedures and processes

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlOGVlcmF0aW9uOmVzLmJhcmF0ei5yZW4vMzYxMjY0Mjg>

Título: Digital Product and Process Development Systems [Recurso electrónico] : IFIP TC 5 International Conference, NEW PROLAMAT 2013, Dresden, Germany, October 10-11, 2013. Proceedings edited by George L. Kovács, Detlef Kochan

Editorial: Berlin, Heidelberg Springer Berlin Heidelberg Imprint: Springer 2013

Editorial: Berlin, Heidelberg Springer Berlin Heidelberg 2013

Descripción física: XVI, 428 p. 290 il

Mención de serie: IFIP Advances in Information and Communication Technology 411

Nota general: Bibliographic Level Mode of Issuance: Monograph

Contenido: Manufacturing Innovation and Horizon -- IT Support for Product and Process Development in Japan and Future -- 3D Experiences - Dassault Systèmes 3DS Strategy to Support New Processes in Product Development and Early Customer Involvement -- Challenges for Digital Product and Process Design Systems at BMW -- Industry 4.0: A Best Practice Project of the Automotive -- JT Format (ISO 14306) and AP 242 (ISO 10303): The Step to the Next Generation Collaborative Product Creation -- Economic Advantages by CAD/CAM Use in Compound with Production Data Organization -- A 'Lean' Fuzzy Rule to Speed-Up a Taylor-Made Warehouse Management Process -- Improving the Usability of Collaboration Methods and Technologies in Engineering -- Towards Product Avatars Representing Middle-of-Life Information for Improving Design, Development and Manufacturing Processes -- Challenges and Solutions in Customer Process Based on Collaborative Engineering -- Additive Manufacturing as Integral Part of the Digital Solution Process - An Industrial Short Note -- Additive Manufacturing - A Growing Possibility to Lighten the Burden of Spare Parts Supply -- Laser Beam Melting for Tooling Applications - New Perspectives for Resource-Efficient Metal Forming and Die Casting Processes -- Design-Opportunities and Limitations on Additive Manufacturing Determined by a Suitable Test-Specimen -- Mechanical Properties of Laser Beam Melting Components Depending on Various Process Errors -- New Fiber Matrix Process with 3D Fiber Printer - A Strategic In-process Integration of Endless Fibers Using Fused Deposition Modeling (FDM) -- From Rapid Prototyping to eManufacturing -- Energy Turnaround: Printing of Thermoelectric Generators -- Generative Manufacturing and Repair of Metal Parts through Direct Laser Deposition Using Wire Material -- Capp Model for Prismatic Parts in Digital Manufacturing -- Product Quality Inspection Combining with Structure Light System, Data Mining and RFID Technology -- Additional Methods to Analyze Computer Tomography Data for Medical Purposes and Generatively Produced Technical Components -- Correction of Highlight Line Structures -- Re-make of Sheet Metal Parts of End of Life Vehicles - Research on Product Life-Cycle Management -- Enabling the Crowd Sourcing of Very Large Product Models -- Knowledge Retrieval in Complex Information Landscapes Related to Products and Production -- Advanced Engineering Visualization with Standardized 3D Formats -- Scientific Automation Rises the Productivity of Production Facilities -- Prospective Evaluation of Assembly Work Content and Costs in Series Production -- Model-Based Approach for Self-correcting Strategy Design for Manufacturing of Small Metal Parts -- Digital Eco-factory as an IT Support Tool for Sustainable Manufacturing -- Enterprises Monitoring for Crisis Preventing Based on Knowledge Engineering -- The Knowledge on the Basis of Fact Analysis in Business Intelligence -- Composite Simulation as Example of Industry Experience -- Simulation and Optimization Based Flexible Job Scheduling of Powder Coating Lines -- Event Based Identification and Prediction of Congestions in Manufacturing Plants -- Intelligent Manufacturing Operations Planning, Scheduling and Dispatching on the Basis of Virtual Machine Tools -- Methodological Issues in Support of Selected Tasks of the Virtual Manufacturing Planning -- A Comprehensive Framework for the Computer-Aided Planning and Optimisation of Manufacturing Processes for Functional Graded -- As-Is Analysis and Efficient 3D Layout Planning during the Conversion of Old and Design of New Production Facilities by Means of 3D-CAD

Lengua: English

ISBN: 9783642413292 9783642413285 9783642413308 9783662514481

Materia: Diseño asistido por ordenador Information technology Computer science Computer-Aided Engineering (CAD, CAE) and Design Information Systems Applications (incl. Internet). IT in Business Computer Applications

Autores: Kovács, George L, ed. lit Kochan, Detlef, ed. lit

Enlace a formato físico adicional: 3-642-41328-5

Punto acceso adicional serie-Título: IFIP Advances in Information and Communication Technology 411

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es