1. Record Nr. UNINA9910788468603321 Advanced design and manufacturing technology I: special topic volume Titolo with invited papers only // edited by Hun Guo, Zuo Dunwen, Tang Guoxing Stafa-Zurich, Switzerland;; Enfield, New Hampshire:,: Trans Tech Pubbl/distr/stampa Publications, , [2011] ©2011 **ISBN** 3-03813-564-X 1-61344-672-1 Descrizione fisica 1 online resource (308 p.) Advanced materials research, , 1022-6680;; volume 142 Collana Altri autori (Persone) GuoHun DunwenZuo GuoxingTang Disciplina 620/.0042 Soggetti Engineering design - Data processing Manufacturing processes - Data processing Computer integrated manufacturing systems Manufacturing processes - Automation CAD/CAM systems Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and indexes. Nota di contenuto Preface -- Technology and Characteristic of Wool Ring Spun Compound Yarn -- A Co-Evolutionary Contract Net-Based Framework for Distributed Manufacturing Execution Systems -- The Research on Cutting Force in High-Speed Milling Process of Aluminum Alloy Impeller -- Research of Asynchronous Multi-Type Sensors Data Fusion -- Researcher of Region Growing Medical Image Segmentation Based on Adaboost Algorithm -- Trail Investigation on Chip of High-Speed and Dry Cutting on Hardened Steel with PCBN Tool -- Simulate Measure for Spring Back of Autobody Panel's Edge -- Reconfigurable Clamping Device Based on Memory Alloy, Orientation Disc, Majority Column and Telescopic Pole -- Analysis of Mechanical Characteristics and Structural Options of Micro-Milling Cutter -- Study on Predictive Control of Ship

Steering Gear System -- Research of Hydroforming Technology for

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"The major topics covered by the special volumes include manufacture and production, engineering materials, CAD/CAM/CAE, robotics, automation and control, environment-friendly design and manufacture, web/internet technologies, artificial intelligence and smart computing in design and manufacture, enterprise, management, and other related topics"--Preface.