

1. Record Nr.	UNINA9910820788503321
Titolo	Advances in manufacturing systems [[electronic resource] ] : selected, peer reviewed papers from the 4th Manufacturing Engineering Society International Conference, September 2011, Cadiz, Spain / / edited by M. Marcos, J. Salguero and A. Pastor
Pubbl/distr/stampa	Durnten-Zurich, Switzerland, : Trans Tech Publications Ltd Enfield, N.H., : Distributed in the Americas by Trans Tech Publications Inc., c2012
ISBN	3-03813-688-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (155 p.)
Collana	Key engineering materials, , 1013-9826 ; ; v. 502
Altri autori (Persone)	MarcosM (Mariano) SalgueroJ (Jorge) PastorA (Andres)
Soggetti	Manufacturing processes - Technological innovations Computer integrated manufacturing systems - Technological innovations Production engineering - Technological innovations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Advances in Manufacturing Systems; Preface and Committee; Table of Contents; A Comparison of BPMN 2.0 with other Notations for Manufacturing Processes; A Methodology to Evaluate Complex Manufacturing Systems through Discrete-Event Simulation Models; A New Methodological Approach for the Machining Process Planning; Aircraft Final Assembly Line Balancing and Workload Smoothing: A Methodological Analysis; Assembly Work Instruction Deployment Using Augmented Reality; Audits as a Manner of Conformity Assessment and Improvement Guidelines in the Organisation Balance between Lean and Sustainability in Product Development Clean Manufacturing from Cradle to Cradle; Conceptual Design of an Aircraft Final Assembly Line: A Case Study; Energy Requirements in Manufacturing: Lifecycle and Tribology Considerations; Graphical Analysis of Improvements in Manufacturing Processes as Result of Kaizen Events; Holistic Approach to Information Search Based on Six

Sigma; Implementing Manufacturing Features in Mechanical Design; Initial Methodology for Sustainability Comparison among Materials Processing  
Integration of Quality, Labor Risks Prevention, Environment and Ethical Management. Model Applied to R&D&I and Manufacturing Processes in an Organization  
Machining a Free-Surface via Reverse Engineering; Maturity Determination of New Forming Processes Considering Uncertain Indicator Values; Production Planning and Control in an Automobile Closed-Loops Assembly Line; Rheological Characterization and Mathematical Modeling of a SEBS Blend for Industrial Applications where Nowadays Liquid Silicone Rubber is Used; Rules of Precedence as Basis to Generate Manufacturing Routes and Process Planning Simulation and Ergonomics Approach for Service & Manufacturing Process Improvement  
Simulation of a Closed-Loops Assembly Line; The Holistic Approach of the Industrial Strategies of Continuous Improvement; Virtual Verification of an Aircraft Final Assembly Line  
Industrialization: An Industrial Case; Keywords Index; Authors Index

---

Sommario/riassunto

This book describes the most recent Advances in Manufacturing Systems presented at the 4<sup>th</sup> Manufacturing Engineering Society International Conference (MESIC2011), which was held during September 2011 in Cadiz, Spain. Flexible, Intelligent and Emergent Manufacturing Systems, Quality, Quality Control and Quality Management, Production Engineering and Planning are, together with others, the topics which can be found herein. The book is therefore essential reading matter for manufacturing engineers working in the fields mentioned. Review from Book News Inc.: The 24 selected and peer-reviewed paper

---