



Integrated manufacturing systems engineering /

Ladet, Pierre,
editor

Vernadat, F.,
editor

Electronic books

Monografía

Modern manufacturing systems must be engineered as any other complex systems, especially in the context of their integration. The book first presents the all-embracing concept of the Extended Enterprise as way of inter-enterprise integration. It then focusses on Enterprise Engineering methods and tools to address intra-enterprise integration using a model-based approach. Business process modelling and re-engineering issues are particularly discussed and tools presented. Formal specification and Petri net-based analysis methods for manufacturing systems complete the set of tools for Enterprise Engineering. Coordination and integration issues of manufacturing systems and their business processes are then covered and examples of integration platforms presented. Finally, standardization and pre-standardization issues related to enterprise modelling and integration conclude the book

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjE3MTk4MzI>

Título: Integrated manufacturing systems engineering edited by Pierre Ladet, Laboratoire d'Automatique de Grenoble, Grenoble, France and François Vernadat, INRIA-Lorraine, Villers-Nancy, France

Edición: 1st ed

Editorial: Dordrecht Springer-Science+Business Media, B.V. 1995

Descripción física: 1 online resource (VII, 302 p. 53 illus.)

Mención de serie: IFP - The International Federation for Information Processing

Nota general: Bibliographic Level Mode of Issuance: Monograph

Bibliografía: Includes bibliographical references and index

Contenido: 1 The dimensions of integrated manufacturing systems engineering -- 2 Industry requirements and associated research issues in the Extended Enterprise -- 3 Enterprise engineering with CIMOSA application at FIAT -- 4 Making CIMOSA operational -- 5 Rapid prototyping of integrated manufacturing systems by accomplishing model-enactment -- 6 MMS virtual manufacturing devices generation: the Paris subway example -- 7 Process-oriented order processing a new method for business process reengineering -- 8 Object-oriented modelling and analysis of business processes -- 9 Using a formal declarative language for specifying requirements modelled in CIMOSA -- 10 Specification environment for multi-agent systems based on anonymous

communications in the CIM context -- 11 Interflow systems for manufacturing: concepts and a construction -- 12 A control-oriented dynamic model of discrete manufacturing systems -- 13 A new tool for modular modelling: the generalised and synchronised stochastic Petri nets -- 14 Petri net modelling for dynamic process planning -- 15 Coordination approaches for CIM -- 16 Integration of industrial applications: the CCE-CNMA approach -- 17 A software engineering paradigm as a basis for enterprise integration in (multi-) client/server environments -- 18 An information sharing platform for concurrent engineering -- 19 Development of GERAM, a generic enterprise reference architecture and enterprise integration methodology -- 20 CEN activities on enterprise modelling and enterprise model execution and integration services -- Index of contributors -- Keyword index

Lengua: English

ISBN: 0-387-34919-7

Materia: Manufacturing processes- Automation Production engineering System analysis Computer integrated manufacturing systems Flexible manufacturing systems

Autores: Ladet, Pierre, editor Vernadat, F., editor

Enlace a formato físico adicional: 0-412-72680-7 1-4899-0977-X

Punto acceso adicional serie-Título: International Federation for Information Processing (Series)

Baratz Innovación Documental

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