

1. Record Nr.	UNINA9910437915703321
Titolo	Complex systems design & management : proceedings of the third International Conference on Complex Systems Design & Management CSD&M 2012 // Marc Aiguier ... [et al.], (eds.)
Pubbl/distr/stampa	Heidelberg, : Springer, 2013
ISBN	3-642-34404-6
Descrizione fisica	1 online resource (337 p.)
Altri autori (Persone)	AiguierMarc
Disciplina	005.3
Soggetti	Industrial design Industrial design - Management
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 index.
Nota di contenuto	Engineering Cyber-Physical Systems: Challenges and Foundations -- Game-Theoretical and Evolutionary Simulation: A Toolbox for Complex Enterprise Problems Architecting Complex Systems in new domains and problems: Making sense of complexity and managing its unintended consequences -- Agility Problems in Traditional Systems Engineering - A Case Study -- Modeling transportation systems: a case study with the open method Praxeme -- PBS : a major enabler for Systems Engineering - A thematic thinking by Thales Systèmes AéroportésFIT -- Requirement management for complex systems, a critical element of the integration process -- Modelling languages for Functional Analysis put to the test of real life Jean-Luc Voirin -- Modeling the impact of requirements change in the design of complex systems -- Model-Driven Development of Logistic Systems using Domain-Specific Tooling -- Smart Grid: Constructing a System of Systems Model Using Both Qualitative and Quantitative Assessments -- Prototyping Systems Thinking Curriculum Development for Pre-College Students -- An Integrated Approach to Developing Automotive Climate Control Systems -- Flexible Product Line Derivation applied to a Model Based Systems Engineering proces -- Towards an Architectural Design Framework for Automotive Systems Development -- Human emotional interaction and hydrotherpy -- Industrial design keys Synchronisation phenomena in electrical systems: emergent oscillation in a --

Orchestrating situation awareness and authority in complex socio-technical systems -- A Collaborative Distributed Control and Building Performance Simulation based on Systems Engineering Practice -- An Organizing Taxonomy of Procedures to Design and Manage Complex Systems for Uncertainty and Flexibility.

Sommario/riassunto

This book contains all refereed papers that were accepted to the third edition of the « Complex Systems Design & Management » (CSD&M 2012) international conference that took place in Paris (France) from December 12-14, 2012. (Website: <http://www.csdm2012.csdm.fr>) These proceedings cover the most recent trends in the emerging field of complex systems sciences & practices from an industrial and academic perspective, including the main industrial domains (transport, defense & security, electronics, energy & environment, e-services), scientific & technical topics (systems fundamentals, systems architecture & engineering, systems metrics & quality, systemic tools) and system types (transportation systems, embedded systems, software & information systems, systems of systems, artificial ecosystems). The CSD&M 2012 conference is organized under the guidance of the CESAMES non-profit organization (<http://www.cesames.net>).
