

1. Record Nr.	UNISA996465665703316
Titolo	Computer Aided Systems Theory - EUROCAST 2009 [[electronic resource]] : 12th International Conference, Las Palmas de Gran Canaria, Spain, February 15-20, 2009, Revised Selected Papers / / edited by Roberto Moreno Díaz, Franz Pichler, Alexis Quesada Arencibia
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
ISBN	3-642-04772-6
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (XVII, 950 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 5717
Disciplina	620.00420285
Soggetti	Computer simulation Computer-aided engineering Pattern recognition systems Artificial intelligence Computer vision Image processing—Digital techniques Computer Modelling Computer-Aided Engineering (CAD, CAE) and Design Automated Pattern Recognition Artificial Intelligence Computer Vision Computer Imaging, Vision, Pattern Recognition and Graphics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Systems Theory and Simulation: Formal Approaches -- Computation and Simulation in Modelling Biological Systems -- Intelligent Information Processing -- Applied Formal Verification -- Computer Vision and Image Processing -- Mobile and Autonomous Systems: Robots and Cars -- Simulation Based System Optimization -- Signal Processing Methods in Systems Design and Cybernetics -- Polynomial Models in Control System Design -- Heuristic Problem Solving -- Simulation and Formal Methods in Systems Design and Engineering --

Sommario/riassunto

This book constitutes the thoroughly refereed post-proceedings of the 12th International Conference on Computer Aided Systems Theory, EUROCAST 2009, held in Las Palmas de Gran Canaria, Spain in February 2009. The 120 revised full papers presented were carefully reviewed and selected for inclusion in the book. The papers are organized in topical sections on systems theory and simulation: formal approaches, computation and simulation in modeling biological Systems, intelligent information processing, applied formal verification, computer vision and image processing, mobile and autonomous systems: robots and cars, simulation based system optimization, signal processing methods in systems design and cybernetics, polynomial models in control system design, heuristic problem solving, simulation and formal methods in systems design and engineering, models of co-operative engineering systems.
