1.	Record Nr.	UNINA9910460260103321
	Titolo	Advances in mechatronics and control engineering III : selected, peer revieed papers from the 2014 3rd International Conference on Mechatronics and Control Engineering (ICMCE 2014), August 27-28, 2014, Zhuhai, China / / edited by Prasad Yarlagadda
	Pubbl/distr/stampa	Pfaffikon, Switzerland : , : Trans Tech Publications Ltd, , 2014 ©2014
	ISBN	3-03826-675-2
	Descrizione fisica	1 online resource (739 p.)
	Collana	Applied Mechanics and Materials, , 1662-7482 ; ; Volume 678
	Disciplina	621
	Soggetti	Mechatronics Automatic control Electronic books.
	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 at the end of each chapters and indexes.
	Nota di contenuto	Advances in Mechatronics and Control Engineering III; Preface and Conference Organization; Table of Contents; Chapter 1: Artificial Intelligence, Algorithms and Computation Methods; A New Random Encryption Algorithm for Character Type Cipher; Exploiting Thread-Level Parallelism Based on Balancing Load for Speculative Multithreading; FNMF-ITWC Algorithm Applied to the Cancer Gene Expression Data; Fuzzy Set Based Clustering Algorithm of Web Text; MIMU Parameter Identification for Large Misalignment Angles Based on AFSA; Reduction of Risk Control Indicators of ERP System Based on Rough Set
		Research on Stereo Matching Algorithm in Intelligent Vehicle ApplicationResearching on the Single Lock Chamber Automatic Layout Algorithm; Rough and Fuzzy Set Based Classification Algorithm on Computer Practice Teaching Evaluation; Scheduling Based on an Ant Colony Algorithm with Crossover Operator; Study of Parameters Configuration in Ant Colony Algorithm; Study on the Soft Time Windows Vehicle Synthesis Algorithm Based on Genetic; A New Forecasting Model of Fuzzy Time Series; An Improved Forecasting

Model of Fuzzy Time Series; Key Technology in a Lightweight WPF-Based Electronic Map Engine
Improved Ant Colony Algorithm on Scheduling Optimization of Cloud Computing ResourcesChapter 2: Mathematical Methods and Data Mining, Information Technologies in Industry; A Novel Four-Order Chaotic System with N-Attractor Multi-Direction Multi-Scroll Attractors; An Optimization and Planning Method Research to Determine Power Transmission Capacity of Clustering Wind Farms Accounting Risk; Association-Analysis-Based Research on Self-Healing of Information System and its Application
Discussion on a New Calculation Method for Missing True Formation Thickness - A Case Study from YM32 Area in Northern Tarim BasinEquilibriums of an SIS Epidemic Model; Necessity of Bioinformatics in the Setting of Pharmacy; The Weak Convergence of Random Sums of --Mixing Random Sequences; Top-Down Saliency Detection via Hidden Semantic Information; Using a Combined Method to Forecasting Electricity Demand; Origin Fresh Beer Remote Delivery System Based on Cloud Computing Technology
The Research of Technical Architecture of Semi-Structured XBRL Data Based on Hadoop Cluster and Structured Data Exchange SystemChapter 3: Sound, Image, Signal and Video Processing and Technologies; A New Adaptive Threshold Image-Denoising Method Based on Edge Detection; An Edge Detection Algorithm for Image Corrupted by Impulse Noise; An Integrated Saliency Model with Guidance of Eye Movement in Natural Scene Classification; Application of Improved Sobel Algorithm in Medical Image Edge Detection; Application of Infrared Binocular Vision for Monitoring Moving Target in Port
Color Images Illumination Compensation Method for Human Face Region Detection

Sommario/riassunto	Collection of selected, peer reviewed papers from the 2014 3rd International Conference on Mechatronics and Control Engineering (ICMCE 2014), August 27-28, 2014, Zhuhai, China. The 135 papers are grouped as follows: Chapter 1: Artificial Intelligence, Algorithms and Computation Methods; Chapter 2: Mathematical Methods and Data Mining, Information Technologies in Industry; Chapter 3: Sound, Image, Signal and Video Processing and Technologies; Chapter 4: Sensors, Testing, Detection, Instrumentation, Measurement and Monitoring Technologies; Chapter 5: Design Technologies in Mechatronics, Industri