1. Record Nr. UNINA9910687971703321

Autore	Wang Shawn X.
Titolo	Current trends in computer science and mechanical automation . Volume 2 : selected papers from CSMA2016 / / Shawn X. Wang
Pubbl/distr/stampa	Berlin : , : Walter de Gruyter GmbH, , [2019]
Descrizione fisica	1 online resource
Disciplina	004
Soggetti	Electronic data processing Computer science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Frontmatter -- Contents -- Preface -- Introduction of keynote speakers -- Part IV: Sensors, Instrument and Measurement II -- Design of Remote Real-Time Measuring System of Temperature and Humidity based on Raspberry Pi and Java Language -- Design of Emotional Physiological Signal Acquisition System -- EMC Effects On High-Resolution Spaceborne SAR Image -- Real-time Pupil Detection based on Contour Tracking -- Chip Manufacturing, Data Integration and Transmission -- A DCT-domain-based Research and Application of the Algorithm of Digital Audio Watermark -- Detection of Placido rings fracture based on ECC image registration -- Research on High-precision Calibration and Measurement Method based on Stereo Vision -- Comparison of Three Weak Small Moving Target Detection Methods based on Time Domain Filtering -- Breath Sounds Detection System based on SOPC -- A Novel Fiber-optic Sensor for the Determination of Melting Point of Solids -- Method for Measuring Internal Liquid Level of Sealed Metal Container by Ultrasonic -- Design of Silicon-on-Sapphire Pressure Sensor For High Temperature And High Pressure Applications -- The Federated Filtering Algorithm based on the Asynchronous Multisensor System -- A Kind of Self-tuning Kalman Filter for the High Maneuvering Target Tracking System -- A Multitasking Run Time Prediction Method based on GBDT in Satellite Ground Application System -- Unmanned Ground Vehicle Behavior Decision via Improved Bayesian Inverse Reinforcement Learning -- Analysis of the High

Frequency Vibration on Radar Imaging in the Terahertz Band -- Object Tracking for Satellite Video based on Kernelized Correlation Filters and Three Frame Difference -- Noise Removal and Detail Enhancement of Passive Infrared Image Pretreatment Method for Robot Vision -- Failure Mechanism and Support Strategy of Deep Roadway with High Horizontal Stress and Broken Rock Mass -- Design of a Climbing Robot for Nuclear Environmental Monitoring -- Part V: Mechatronics and Electrical Engineering I -- The design and simulation of the new Space Release Device -- The Adjusting Method of Box Girder Pose based on Spatial Coordinate Transformation -- Application of Discrete Element Method in the Analysis of Loader Shovel Loading Process -- Application of Piecewise Catenary Method in Length Calculation of Soft Busbar in Ultra-high Voltage Substation -- Calculation Method of Stiffness Matrix in Non-linear Spline Finite Element for Suspension Cable -- A Load Outage Judgement Method Considering Voltage Sags -- Macro Program Application on Non-circular Curve Machining in CNC Lathe -- Singular Configuration Analysis for the Structure of Hybrid Grinding and Polishing Machine -- Static Analysis and Size Optimization for the Bed of Gantry Milling Machine based on ANSYS Workbench -- Research and Optimization of Clip Type Passive Manipulator -- Research on Material Removal of Belt Polishing for Blade Complex Surface -- Visual Servoing based object pick and place manipulation system -- Research on Wind Loads of Container Ship based on CFD -- Design and Research of Model Sting Support Control System of Icing Wind Tunnel -- Development of Control System of Icing Wind Tunnel -- Railway Track Collapse Monitoring System in Mining Area based on KALMAN Filter -- The Method of Harmonic Source Identification in Power Supply System -- Optimization for the Balancing Cylinder of a 3-DOF Planar Manipulator -- Finite Element Modal Analysis of an Eight-axis Industrial Robot Painting System Applied to Boarding Bridge Painting -- Bayesian based Fault Identification for Nonlinear Mechatronic System with Backlash -- A CAD/CAE Integrated Optimization of Hot Runner System -- Study On Tool Path Design for a Novel Incremental Sheet Metal Bending Process -- Research on Tribological Characteristics of 316L Stainless Steel against PEEKHPV under Water Lubrication -- Turbofan Engine Controller Optimal Design based on Grey Wolf Optimizer -- Part VI: Mechatronics and Electrical Engineering II.