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A hybrid optimization grey model based on segmented gra and multi-strategy contest for short-term power load forecasting

Approximate Controllability for Navier–Stokes Equations in 3D Rectangles Under Lions Boundary Conditions

Assessing and comparing short term load forecasting performance

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Sensor-Based Cooperative Multi-Antenna Spectrum Sensing with Imperfect Reporting Channels

Comparative energy analysis of a load sensing system and a zonal hydraulics for a 9-tonne excavator

Customized dimensional analysis conceptual modelling framework for design optimization—a case study on the cross-flow micro turbine model

Direct fixed-step maximum power point tracking algorithms with adaptive perturbation frequency

Effect of energy recovery on efficiency in electro-hydrostatic closed system for differential actuator

Frequency domain robust regulation of signals generated by an infinite-dimensional exosystem

Identification of three-phase grid impedance in the presence of parallel converters

Maximum perturbation step size in MPP-Tracking control for ensuring predicted PV power settling behavior

Mixed-integer linear programming approach for global discrete sizing optimization of frame structures

Multi-sensor next-best-view planning as matroid-constrained submodular maximization

On the complexity of restoring corrupted colorings

Operation of a PV power plant during overpower events caused by the cloud enhancement phenomenon

Performance evaluation of bandwidth reservation for mmWave 5G NR systems

Practical implementation of adaptive SRF-PLL for three-phase inverters based on sensitivity function and real-time grid-impedance measurements

Probabilistic approach to physical object disentangling

Robust controllers for regular linear systems with infinite-dimensional exosystems

Secure and connected wearable intelligence for content delivery at a mass event  
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Soft robotic gripper with compliant cell stacks for industrial part handling

Stabilization to trajectories for parabolic equations

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Cost-effective emission reduction in Finnish detached houses

Impedance-based interactions in grid-tied three-phase inverters in renewable energy applications

Power electronics in renewable energy systems

A Real-Time Big Data Control-Theoretical Framework for Cyber-Physical-Human Systems

Towards dependable automation

Analog Mitigation of Frequency-Modulated Interference for Improved GNSS Reception

Analysis of differentially modulated cooperative communications over asymmetric fading channels

An approach for implementing key performance indicators of a discrete manufacturing simulator based on the ISO 22400 standard

Asymptotic Behaviour of Platoon Systems

Automatic numerical differentiation by maximum likelihood estimation of a linear Gaussian state space model

Blockchain Technology for Smartphones and Constrained IoT Devices  
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Capacity analysis under generalized composite fading conditions

Charlie and the CryptoFactory  
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Comparing capacity gains of static and UAV-based millimeter-wave relays in clustered deployments

Complete Odometry Estimation of a Vehicle Using Single Automotive Radar and a Gyroscope

Composite nonlinear feedback control of a JIB trolley of a tower crane behaviors

Computationally efficient optimization algorithms for model predictive control of linear systems with integer inputs

Condition monitoring of storage batteries in telecom power systems-crisp vs. soft computing methodology

Constrained Long-Horizon Direct Model Predictive Control for Synchronous Reluctance Motor Drives

Constrained PSK  
Energy-efficient modulation for Sub-THz systems

Design and Control of a Flexible Joint as a Hydraulic Series Elastic Actuator for Manipulation Applications

Determining maximum MPP-tracking sampling frequency for input-voltage-controlled PV-interfacing converter

Direct model predictive power control of a series-connected modular rectifier

Dual-frequency signal processing architecture for robust and precise positioning applications

Fabrication of soft devices with buried fluid channels by using sacrificial 3D printed molds

FORMI: A Fast Holonomic Path Planning and Obstacle Representation Method Based on Interval Analysis

Improved modelling of electric loads for enabling demand response by applying physical and data-driven models  
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Inertial Sensor-Based State Estimation of Flexible Links Subject to Bending and Torsion

Introducing Multi-Convexity in Path Constrained Trajectory Optimization for Mobile Manipulators

Joint Sparse Recovery of Misaligned Multimodal Images via Adaptive Local and Nonlocal Cross-Modal Regularization

Kalman-Type Filters and Smoothers for Pedestrian Dead Reckoning

Locomotion of light-driven soft microrobots through a hydrogel via local melting

Maximum achievable throughput and interference mitigation for SUN in coexistence with WLAN

M-Estimator Application in Real-Time Sensor Fusion for Smooth Position Feedback of Heavy-Duty Field Robots

Modeling and Mitigating 5G Wireless Downlink Interferences for Low-altitude Aerial vehicles

Monitoring of production processes and the condition of the production equipment through the internet

Online learning in neural decoding using incremental linear discriminant analysis

On Robust Output Regulation for Continuous-Time Periodic Systems

Operating point dependent variable switching point predictive current control for PMSM drives

Outage probability of multi-carrier NOMA systems under joint I/Q imbalance

Pneumatically actuated elastomeric device for simultaneous mechanobiological studies & live-cell fluorescent microscopy

Position Estimation for Drones based on Visual SLAM and IMU in GPS-denied Environment

Positioning Based on Noise-Limited Censored Path Loss Data

Radio-based Sensing and Indoor Mapping with Millimeter-Wave 5G NR Signals

Real-time and Robust Collaborative Robot Motion Control with Microsoft Kinect © v2

Reinforcement learning for improved UAV-based integrated access and backhaul operation

Resilient Cooperative Voltage Control for Distribution Network with High Penetration Distributed Energy Resources

Robust Regulation for First-Order Port-Hamiltonian Systems

Robust Regulation for Port-Hamiltonian Systems of Even Order

Robust Regulation of SISO Systems: The Fractional Ideal Approach

Role-based visualization of industrial IoT-based systems

Soft computing-based controller design for a telecom rectifier

Sustainable electric vehicle - Prosumer framework and policy mix

Towards the deployment of cloud robotics at factory shop floors  
A prototype for smart material handling

Visibility-Aware Part Coding for Vehicle Viewing Angle Estimation

A reformulation of the internal model principle using factorization approach

Dynamic modeling and analysis of PCM-controlled DCM-operating buck converters-A reexamination