

Paper ID	Title	Keywords
597	Boosting Hyperspectral Image Classification with a 3D CNN and Vision Transformer Hybrid Architecture	Image Processing; Neural Networks; Artificial Intelligence
598	XAI-Based Intrusion Detection in Big Data WSN: LSTM-XGBoost and DNN-RF Approaches	Sensors; Artificial Intelligence
599	Security Evaluation of Industrial Organisations in an Isolated Region	Fault Detection; Information Systems; Reliability
600	Optimizing PV Power Smoothing in High-Penetration Microgrids Using Curve Fitting and Grey Wolf Optimization	Energy Control and Power Systems; Applied Optimization; Smart Grids
601	Assessing the Feasibility of Time-Series Integration for Large-Scale Forest Monitoring	Monitoring and Supervision; Computational Intelligence; Intelligent Systems
602	Wireless Monitoring of Liquid Consumption in Rodents using BLE Technology	Embedded Systems; Monitoring and Supervision; Sensors
603	Real-Time Parameter Estimation of Central Air Handling Unit: Algebraic and Recursive least squares Techniques	System Identification; Process Control; Control Applications
604	Multi-Modal Sensing for Grasping and Human-Robot Interaction	Robotics; Sensors; Control Applications
605	Data-driven predictive control for interconnected systems using terminal ingredients and reachable sets	Predictive Control; Learning Systems; Linear Systems
606	Comparative Study of Web Attack Detection on WAF: Gradient Boosting and Neural Networks for HTTP Traffic Classification	Computational Intelligence; Neural Networks; Learning Systems
607	Verification of trajectory-dependent opacity properties via fault diagnosis	Discrete Event Systems; Diagnosis
608	Fault-Tolerant Control for Discrete-Time Switched LPV Systems Using Interval Observers	Control Theory; Fault Tolerant Control; Linear Systems
609	Structural Safety Review of Dynamic Vibration in Driving Condition of Digital Twin Elevator Door System	Maintenance; Computer Assisted Optimization; Artificial Intelligence
610	A clustering based bi-objective optimization of the location of electric charging stations in Tunis	Operational Research; Multi-Objective Optimization; Supply Chain Management
611	Adaptive Robotic Path Planning via Obstacle Trajectory-Guided Reinforcement Learning	Robotics; Intelligent Control; Artificial Intelligence
613	Intelligent Detection of Tomato Leaf Diseases: An Explainable Deep Learning Approach	Neural Networks; Artificial Intelligence
617	A Study on the Influence of Large Language Model on Financial System--Taking DeepSeek as an Example	Artificial Intelligence
618	CHELinear: A Novel Linear Time Series Forecasting Model Based on Channel Hybrid Embedding	Neural Networks; Forecasting; Signal Processing
619	A Dynamical Hybrid LTS-EnKF Approach for Robust State Estimation Under Outlier Contamination	Nonlinear Systems; Fault Detection; System Identification
621	A Greedy Randomized Adaptive Search Procedure Variant for MRTA Problems with Multiple Depots	Optimal Control; Robotics; Intelligent Systems
622	A Modular and Layered Perspective on Lateral Vehicle Motion Control: A Survey for ADAS and Autonomous Driving Systems	Control Applications; Robotics; Software Engineering

624	Development of a Digital Twin for an Electric Vehicle Emulator Modeling, Control, and Experimental Validation	Control Applications; Intelligent Systems
626	Evaluation of Stress and Deflection of the Dynamic Equipment Shock and Vibration Damping Elements	Computer Assisted Optimization
628	V2X-Driven Decision Support for Safe and Efficient Transport of Parkinson's Patients in Healthcare Systems	Artificial Intelligence; Sensors and Instrumentation; Intelligent Systems
629	Hybrid Finite-Horizon Feedback Control for Cart-Pendulum Systems with Uncertainties	Control Design Methods; Optimal Control; Control Applications
631	Non Linear Model Predictive Control (NMPC) for a Linear Take-off Procedure of an Airborne Wind Energy (AWE) System	Optimal Control; Control Applications; Nonlinear Systems
634	Robust Multiplicative Actuator and Sensor Faults Estimation for T-S systems with local nonlinear models	Nonlinear Systems; Fault Detection; Sensors
637	Integrated Guidance and Control of a Missile in the Presence of Randomness in Disturbances	Control Design Methods; Control Theory; Nonlinear Systems
638	Improved Information Sharing Mechanism (I2SM) for Metaheuristic Efficiency: A PSO Case Study	Stochastic Optimization
639	An Adaptive Kalman Fusion Technique for Reference Tracking Under Shot Noise	Sensors; Robotics; Control Applications
640	Long-Term Energy Consumption Forecasting Using a Hybrid LSTM-XGBoost Approach	Forecasting; Artificial Intelligence; Smart Grids
641	Energy-Saving Approaches for 5G and Beyond: New Classification and Analysis	Mobile and Wireless Communications; Artificial Intelligence
642	Multi-Agent Consensus of Wheeled Mobile Robots via Beyond-Pairwise Interaction Frameworks	Nonlinear Systems; Control Theory
643	New Approach to Optimize Vulnerabilities Management of Smart Contract in Blockchain Network	Applied Optimization; Computer Assisted Optimization; Multi-Objective Optimization
645	Probabilistic Constrained Load Flow and Machine Learning Methodologies for Electric Vehicle Charging Systems: Integration approaches and Use cases	Neural Networks; Intelligent Control; Fault Detection
646	Safe Data-Driven Optimal control for type-1 Diabetes	Optimal Control; Predictive Control; Control Theory
647	A Neural Koopman Framework for CubeSat Modeling and Control	Nonlinear Systems; System Identification; Neural Networks
649	Pretrained Convolutional Neural Networks for Bladder Cancer Diagnosis via White Light Cystoscopy	Neural Networks; Intelligent Systems; Multi-Objective Optimization
653	Active Fault-Tolerant Control for Nonlinear LPV delayed System	Fault Tolerant Control; Control Theory; Fault Detection
656	An End-to-End IoT Pipeline for Real-Time Agricultural Water Forecasting: A Case Study	Artificial Intelligence; Smart Grids; Internet and Cloud Computing
657	A Trust System For IoMT Based On Blockchain and Access Control	Telecommunication Applications; Information Systems
659	Adaptive Data Processing Framework for Enhanced Predictive Maintenance in Industrial IoT Ecosystems	Intelligent Systems; Predictive Control; Sensors

660	Implementation of DMAIC using Machine Learning to Analyze Product Defects in the Welding Consumables Industry	Artificial Intelligence; Process Control; Intelligent Systems
661	Least energy trajectory generation for quadrotors using rotor acceleration as control inputs	Optimal Control; Nonlinear Systems; Control Design Methods
662	Pose-Free 4D Gaussian Splatting for Dynamic Scene Reconstruction	Image Processing; Robotics; Artificial Intelligence
663	Adaptive Roll Autopilot Design for Interceptor Missile	Control Theory; Control Applications; Control Design Methods
664	Evaluation of Dense Derivative Filter to Detect Semantic Edges for Estimating 3D Room Structure	Image Processing
665	L_1/L_∞ -Hankel Norm optimization of Power Wireless Communication Networks by DC Programming	Linear Systems; Optimal Control; Control Design Methods
666	Dead time compensation based inverted decoupling control approach for highly interacting multivariable processes	Control Applications; Control Theory; Control Design Methods
667	LMI Framework for Adaptive and Model-Free Control of Nonlinear Systems	Nonlinear Systems; Control Theory
668	Model Predictive Control for Quadrupedal Robots with Neural-based Adaptation	Robotics; Control Applications; Neural Networks
669	Model-Reference Adaptive Control System for Active Magnetic Bearings	Control Theory; Control Design Methods; Nonlinear Systems
670	Hybridization of NLP and PSO for sentiment analysis of Snapdeal reviews	Computational Intelligence; Theoretical Computer Science
612	Fault Tree analysis of degradation mechanisms in LT-PEMFC system under two different anode circulation modes	Fault Detection; Diagnosis; Transport Optimization
614	HBV-DS: Hepatitis B Virus Dataset for Predicting Liver Fibrosis and Viral Activity Using Machine Learning	Artificial Intelligence; Learning Systems; Intelligent Systems
620	Balancing Explainability and Accuracy in Credit Risk Classification Using Neuro-Fuzzy Model	Fuzzy Sets and Systems; Neural Networks; Artificial Intelligence
623	Using integer programming to embed large virtual networks	Graphs and Networks; Combinatorial Optimization; Telecommunication Applications
625	Capacity analysis for a railway node using microscopic cyclic timetabling	Transport Optimization; Scheduling; Combinatorial Optimization
627	Quantum Self-Organizing Maps for Solving the Euclidean Traveling Salesman Problem	Combinatorial Optimization; Computational Intelligence; Artificial Intelligence
630	A lexicographic bi-objective approach to fleet sizing and routing for service vehicles in a real-world passenger transport system	Transport Optimization; Combinatorial Optimization; Multi-Objective Optimization
632	Comparative Analysis of Energy Management Strategies for a Hybrid Electric Vehicle in Urban Transportation: A Case Study	Transport Optimization; Optimal Control; Monitoring and Supervision
633	Integrating ISO 50001:2018 into Engineering Education: Advancing Energy skills for Industry 4.0 and 5.0	Energy Control and Power Systems; Manufacturing System Control; Optimal Control

635	A comprehensive review of Network Design in a Sustainable Supply Chain: Focus on the social dimension	Supply Chain Management; Operational Research
636	A Multi-Start Tabu Search with Set Partitioning for the Green VRP	Combinatorial Optimization; Transport Optimization; Operational Research
644	DeepUCS for knowledge extraction applied to sleep stages	Hybrid Systems
648	Data-Driven Emergency Patient Bed Assignment Using Clustering Techniques	Artificial Intelligence; Data Mining; Applied Optimization
615	Autonomous Drone Navigation through Vertical Obstacles with Novel Reward Function and Temporal Shift Architecture	Intelligent Systems; Artificial Intelligence; Robotics
616	Multi-Objective Optimization of the Taper Ratio for Conical Flywheels	Multi-Objective Optimization; Applied Optimization; Nonlinear Optimization
658	Benchmarking Model-Free Reinforcement Learning Algorithms for Robotic Manipulation	Robotics; Learning Systems; Intelligent Control