ASCC 2022 Paper List

	(by Paper No.)	
Paper No.	Paper Title	Session No.
P00009	Wavelet Fuzzy Neural Network Super-Twisting Control	WeB2-3
P00010	Fault Tolerant Control Applied to Drum Boiler by Virtual Actuator*	ThurP2-7
P00011	Decentralized Robust Control for Internet of Connected Vehicles against Cyber-attacks	WeB9-1
P00012	Adaptive Tracking Control of Quadrotor UAV with Electromagnetic Attacks	WeA9-2
P00035	Control of Nonlinear Mechatronic Systems with Context-Dependent Varying Dynamics	ThurB9-3
P00036	Stability Condition for a Class of Finite Memory Integral-Model Predictive Control	WeB1-5
P00037	Optimal Mechanical Design of Half-Car Vehicle Suspension System Components	ThurB9-4
P00038	Dual-Mode Infinite Horizon Constrained Model Predictive Control Parameterized in Terms of Laguerre Polynomials	WeB1-4
P00039	EID-based finite-time nonsingular fast terminal sliding mode control of autonomous farming vehicle	WeC6-1
P00040	Reduction in Command Generation Time for fNIRS-Based BCI	WeA3-5
P00041	Field-Free Point Control by Anisotropic Navigation Platform and Its Integration with Magnetic Particle Imaging for Magnetic Nanoparticles Tracking	WeP3-1
P00042	Ultrasound-Guided Focused Acoustic Actuation System for Manipulation of Nanorobot Cluster	WeP3-2
P00043	Influence of tACS/tDCS on resting state effective connectivity in the frontal cortex: An functional near-infrared spectroscopy study	ThurP1-19
P00044	Microparticle Targeting Control in Gelatin Phantom Using Ultrasonic Wave	WeP3-3
P00045	A robotic navigation system for magnetic capsule endoscope control in the human stomach	WeA9-3
P00046	Teleoperation of an Overconstrained Cable-Driven Parallel Robots in Master and Slave Configuration	FrP3-1
P00048	Disturbance Observer-based Control for Nonlinear Electromagnetic field Actuation	WeP3-4
P00049	A Novel Robust Variable Selection Algorithm for Multilayer Perceptron	WeC2-1
P00050	Open-type Magnetic Particle Imaging System: One Dimensional Scanning	ThurP1-9
P00051	Control and simulation test of an unmanned aerial vehicle	WeB2-4
P00052	A DC Motor Control through Numerical Modeling of PWM and Speed	WeP3-5
P00053	A robust self-tuning PID-type control for time-varying process in the pharmaceutical industry	WeC9-1
P00054	Blind Source Separation of Transcranial Direct Current Stimulation from Simultaneous Electroencephalograph Measurement	ThurP1-20
P00055	Discrete Artificial Bee Colony Algorithm for the Distributed Resource Constrained Hybrid Flowshop Problem	ThurA5-1
P00056	Remove the motion artifacts in fNIRS using simplified residual fully connected neural networks	ThurC3-1
P00057	Solving heterogeneous distributed no-wait flow shop scheduling problems by a cooperative multi-objective algorithm	ThurA5-2
P00058	Improved Stability Criterion for Delayed Neural Networks via Negative-Definiteness Condition of Quadratic Function	FrB2-1
P00059	A hybrid approach for state of charge estimation of lithium-ion battery	WeC6-2
P00060	Constrained zonotopic Kalman filtering based state estimation algorithm for nonlinear system under unknown disturbance	ThurA4-1
P00061	Vibration control of a flexible varying-length beam attached to a translating base under an unknown boundary disturbance	ThurP2-11
P00062	Spatially Modulated Sparse Code Multiple Access in Uplink Mine Communications	ThurP2-14
P00063	Hybrid Time-Energy Optimal Trajectory Planning for Robot Manipulators with Path and Uniform Velocity Constraints	WeB5-1
P00064	Finite-time impulsive consensus tracking control of nonlinear multi-agent systems	FrC1-2
P00065	I-PD Controller Design and Tuning Method using Time Delay Control (TDC) Algorithm for Actuator	WeP3-6
P00066	Versatile Solutions for the Combine Harvester Header Height Control Problem	WeB1-6
P00067	Enhanced password protection mechanism for debug interface connection on ECU	WeB9-2
P00068	Novel Reinforcement Learning for Synchronization of Multi-agent Systems	FrP2-14
P00069	Autonomous landing on moving targets using LiDAR, Camera and IMU sensor Fusion	WeB9-3
P00070	Control of positive systems and cancer chemotherapy	FrA1-1
P00070	Bayes-optimal Solution for Environmental Prediction Using Human Sensitivity	ThurA2-1
P00072	Classification of six sound categories using functional near-infrared spectroscopy	ThurP1-16
P00072	Adaptive finite-time synchronization of memristive neural networks with unknown parameters via sliding mode control	WeC3-1
P00074	Equilibrium Seeking in Two-Agent Non-Cooperative Dynamic Game with Asymmetric Horizon Length	FrD4-4
P00074	A Stochastic Jump Model for Epidemics With Demography, and Confinement and Vaccination Controls: Safety Zones and Algorithms	WeB1-2
P00076	Distributed point-to-point iterative learning control for nonlinear multi-agent systems	WeP1-10
P00077	An Efficient Face Gender Detector on a CPU with Multi-Perspective Convolution	WeC1-4

P00078	Hybrid-Impulses-Based Control for Exponential Stability of Inertial Delayed Neural Networks Using Average Impulsive Gain Strategy	WeC2-2
P00079	Modified Neural Sliding Mode Control for Active Power Filter	WeB1-1
P00080	Efficient sensor fusion using Transformer	FrP1-9
P00081	Tensor Slow Feature Analysis for Monitoring Batch Process	WeC9-2
P00082	Network RTK Kriging Weighting Model for Ground Vehicle on Rainy Day	WeB9-4
P00083	A study on the snake robot to search for survivors using a multi-sensor module including a sound source localization in a narrow space.	FrP3-6
P00084	Machine Learning-Based GPS Multipath Detection Method Using Dual Antennas	WeP1-6
P00086	System reduction using continued fraction method to allow retention of dominant modes	WeB1-3
P00087	Multiple imputation based on Bayesian principal component analysis and bootstrap	WeP3-11
P00088	Condition Monitoring of a Bogie Suspension System Using an Extended Kalman Filter	WeC9-6
P00089	UAV Swarming Flight Guidance for Multi-UAV Configuration	ThurP3-7
P00090	Control Framework of Force-Position Integrated Electric Cylinder and Its application in Motion Simulator	FrP3-5
P00091	Pose-aware object recognition on a mobile platform via learned geometric representations	WeA9-4
P00092	LADRC Design Based on Disturbance Response Specification for the Second Order Plant	ThurA1-2
P00093	Adaptive control for stochastic nonlinear systems with time-varying powers and unknown covariance	ThurP2-
P00094	Enhancing Monitoring Performance of Pharmaceutical Processes Using Dual-Attention Latent Dynamic Conditional State- Space Model	WeB2-1
P00095	Adaptive Reference for Idle Speed Control ofan SI Engine Using Auxiliary Load TrajectoryPrediction	ThurC1-
P00096	Predicting the Motion of the End Effector in a Flexible Interconnected Manipulator with Neural Networks	ThurA2-
P00097	Design and Analysis of Flexure Joint for a Flexible Robotic Arm	FrD1-1
P00098	Outlier-Robust Constrained State Estimation via L1 and Huber penalization	ThurA2-
P00099	Second-order Quantized ILC for a class of Nonlinear Nonaffine Systems	WeA7-1
P00100	Localization Method for Missing Information in Autonomous Vehicle Using LSTM and UKF Approaches	WeB9-5
P00101	A singular perturbation approach to adaptive slidingmode control.	ThurA2-
P00102	Data Augmentation Method based on Feature Extraction for Improving Classification Performance of CNN	ThurB1-
P00103	A PV Fault Diagnosis Framework Based on Asynchronous Federated Learning	WeC2-5
P00104	Distributed tube-based predictive control of vehicle platoons based on disturbance compensation	WeC5-1
P00105	An Adaptive Tracking Control Method for Offshore Cranes with Unknown Gravity Parameters	WeB5-2
P00106	Nonlinear observer design for robot manipulators to estimate states and disturbances	ThurB2-
P00107	Disturbance Observer-based Adaptive Fault-Tolerant Control of an Electro-Hydraulic Actuator with Output Constraint	ThurB2-
P00108	Observer-Based Adaptive Fuzzy Controller for Pneumatic Active Suspension with Displacement Constraint and Actuator failures	ThurB2-
P00109	Fault-tolerant control for a pump-controlled electro-hydraulic system	ThurB2-
P00110	Energy management strategy for a new hydraulic boom system	ThurB2-
P00111	Application of Artificial Fish Swarm Algorithm in LQR Control for Active Suspension	FrP1-10
P00112	Design of Infinity-Norm Based Collision Avoidance Control System for UAVs	ThurD3-
P00113	Event-Based Distributed Filtering with Multiplicative Measurement Noise and Correlated Additive Noises	ThurA2-
P00114	A Finite Time Tracking Control for Manipulators Using New Adaptive Fast Terminal Sliding Mode Surface.	ThurB2-
P00115	A Current Balancing Method of Two-Phase Soft Starter for Three-Phase Induction Motor Drive System Without Current Sensor	ThurB9-
P00116	Prescribed performance adaptive fault-tolerant control for a manipulator	ThurC2-
P00117	Fault-tolerant Sliding Mode Controller For a 4 Degree of Freedom Robotic Manipulator	ThurC2-
P00118	Finite-time Motion Planning of Multi-agent Systems with Collision Avoidance	ThurA1-
P00119	Sum-of-Squares Program and Safe Learning On Maximizing the Region of Attraction of Partially Unknown Systems	ThurA1-
P00120	On the relative degree of perturbed nonlinear systems	FrA1-3
P00122	Design and Implementation of Gas Circulation Device for Remote-controlled Robot to Detect Hazardous Gases	FrP3-7
P00123	Real Time Trajectory Generation of Mars Entryusing Legendre Pseudo-Spectral Method	ThurA1-
P00124	Realization of Long Short-Term Memory Networks on Quantum Circuits	FrD7-1
P00125	Sliding Mode Based Decentralized Tracking Control of Underactuated Four-Body Systems	FrA1-4
P00126	An Improved Unknown Input Observer Design for Fuzzy Bilinear Systems	WeB2-5
P00128	Cluster consensus in multi-partitioned matrix weighted graphs	ThurB3-

P00129	H_infty fault estimator for parabolic systems with time-varying delays and sensor faults	ThurA1-6
P00130	Uniform Asymptotic Stability by IndefiniteLyapunov Functions	FrA1-5
P00131	State-Space Boundaries for Whole-Body Capturability and Balancing Under Height Variation	WeA9-1
P00133	Iterative Learning Control for High-Speed Trains with Nonuniform Operation Lengths	WeA7-2
P00134	Magnetically Steered Leadless Pacemaker: Feasibility Study	ThurP1-15
P00136	Functional-Parametric Direction of the Risk Theory	FrB1-1
P00137	Design of Fixed-Time Extended State Observer for Spacecraft Attitude Tracking	FrD6-1
P00138	Dual ESO-based Active Disturbance Rejection Control of Pump-Control System without Velocity Measurement	ThurC2-3
P00139	A Proximal-Based Algorithm for Composite Optimization with Coupled Constraints	FrP2-15
P00140	Deep Reinforcement Learning for High Precision and Robust Control Design of Quantum Gates	FrD7-2
P00141	An Effective Local Path Planning Algorithm for Intelligent Vehicle in Complex Environment	WeB9-6
P00142	Output-feedback control of Markovian jump fuzzy systems with incomplete transition rates	ThurP3-12
P00143	A variable selection and structure optimization algorithm for online sequence extreme learning machine	WeC2-3
P00144	A Switched Control Strategy of Uncertain Nonlinear Systems via Adaptive Memory-Based Event-Triggered Mechanism	FrB2-2
P00145	Quantized Control of Infinite-dimensional Discrete-time Systems with Packet Dropouts	ThurB6-1
P00146	Matrix-weighted consensus algorithms for Euler-Lagrange systems	ThurB3-2
P00147	Formation specification control based on infinitesimal sign rigidity in 3-D space	ThurB3-4
P00148	A Feasibility of Catheter Posture Recognition in Three Dimensions by using RF Signal	WeP3-7
P00149	Consensus of input constrained linear multi-agent systems by centralized event-triggered strategy with directed networks	WeB3-1
P00150	Prediction of outlet SO2 concentration based on a novel CNN-LSTM model	WeA7-3
P00151	ESO-Based Data-Driven Iterative Learning Control With RBFNN for Nonlinear Batch Processes	WeA5-4
P00152	An input-mapping based online learning sliding mode control strategy for discrete-time uncertain systems	WeA5-5
P00153	Comparison of a Double and Triple Nonlinear Hyperbolic Proportional-Integral-Derivative (PID) compensator for a servo	FrA1-6
	pneumatic actuator	
P00154	Finite-time Consensus for Multi-agent Networks of Fractional Diffusion PDEs via Event-triggered Boundary Control	FrA5-1
P00155	Performance Evaluation of a Super Small Belt-driven Braille Unit	ThurB9-1
P00156	Vector Control of IPMSM used in Electric Vehicles	ThurC1-1
P00164	Social Optima in Linear Quadratic Mean Field Control with Heterogeneous Agents	ThurP2-2
P00165	Security Sliding Mode Control for Interval Type-2 Fuzzy Systems Under Hybrid Cyber-Attacks	ThurA6-1
P00166	A Study on Recognition of Traffic Safety Signs by Cameras for Autonomous Driving depending on Climatic Environment	ThurP2-9
P00170	Multiple fingerprinting localization by an artificial neural network	WeP1-7
P00171	Nonlinear Model Predictive Control with Non-Equidistant Discretization Time Grids for Rotary Cranes	FrA1-2
P00172	Identification and Evaluation of Blast Furnace Condition Based on Spatio-Temporal Feature Extraction	WeC7-1
P00173	A Novel Detection and Localization Scheme of Wormhole Attack in IoT Network	FrB5-1
P00174	Robust Attitude Sampled-data Control for Flexible Spacecraft under Randomly Missing Measurements and Attacks	WeB3-2
P00177	Experiment of Cooperative Transportation using Multi-Robots by Multi-agent Deep Deterministic Policy Gradient	ThurA9-5
P00178	A Knowledge-Driven Ant Colony Algorithm for Solving Order Scheduling Problems	ThurA5-3
P00180	Toward Self-organizing Control Agents for Massive Deployment	ThurB3-5
P00183	Persistence of Excitations for Identifying Switched Linear Systems	ThurB5-1
P00184	Dual-rate Controller Design Using Temporal Redundancy	ThurB7-1
P00186	Data-driven Asymmetric Bipartite Tracking Control for Nonlinear Multi-agent Systems	WeA7-4
P00187	Resilient Online Distributed Optimization Algorithm against Byzantine Attack	ThurA6-2
P00189	Sampling-based Distributed Hybrid Optimization for Multi-agent Systems	FrA7-1
P00190	Combination Elman Neural Network and Kalman Network for Modeling of Batch Distillation Process	ThurA2-6
P00191	A Study on Variable Telescopic Miniaturization Mechanism of Snake Type Robot with Crank Mechanism	WeB5-3
P00192	New Empirical Path Loss Model for 5G-R	ThurA6-3
P00195	High-Resolution Network with Attention Module for Human Pose Estimation	WeC1-5
P00197	A Dynamic Charging Schedule Model for Electric Vehicle Battery Swapping Stations with Multiple Battery Types	WeC9-3
	Rate of penetration prediction using hybrid Gaussian process regression model with ARD structure in geological drilling process	WeC7-2
P00205		
P00205 P00206	Axial-torsional coupled drill-string vibration analysis based on the bit-rock interaction model considering the drilling fluid factor	WeC7-3

P00211	Precise Missile Autopilot Design Using Nonlinear Sliding Mode Control	ThurC1-3
P00217	Longitudinal Aerodynamic Parameters Estimation using Machine Learning with Neuro Artificial Bee Colony Fusion Algorithm (NABC)	WeC2-6
P00221	Comparison of Palm Oil Fresh Fruit Bunches (FFB) Ripeness Classification Technique using Deep Learning Method	WeA4-4
P00222	Reduced Computation for Extreme Learning Machine Based On Cholesky Factorization	WeC2-4
P00223	Adaptive Potential Field with Collision Avoidance for Connected Autonomous Vehicles	FrD3-1
P00224	Analysis of closed-loop inertial gradient dynamics	WeB4-1
P00225	Model-based networked control for nonlinear systems with transmission delays	FrA6-1
P00226	Priority-based strategy for multi-objective steady-state optimization in double-layer model predictive control	WeP1-11
P00227	Control Allocation Strategies for a Hybrid Controlled Missile with NDI Autopilot	FrA2-1
P00228	Consensus-based Distributed Secondary Controller for Uncertain DC Microgrids	ThurP3-13
P00229	Quadrotor Attitude Control Based on Deep Deterministic Policy Gradient with Hindsight Experience Replay	WeB2-2
P00230	Heart rate variability to assist with evaluation of thermal comfort of electric vehicle drivers in summer.	FrD2-1
P00231	Soft Sensor Unit for Measurement of Large Scale Multi-axis Force	ThurB9-2
P00232	Development of Middle East Energy Interconnection	WeB2-6
P00233	Active disturbance rejection current control strategy of flyback inverter based on reference current feedforward	WeP1-9
P00234	An Improved Artificial Bee Colony Algorithm for Electric Vehicle Assembly Line Balancing Problems	ThurA5-4
P00235	Interior Point Differential Dynamic Programming for Trajectory Generation on the Unit Quaternions Group S3	WeA9-6
P00236	Lateral and Roll Vibration Reduction by using a Semi-active Magnetorheological Damper in a High Speed Capsule Train	WeP3-8
P00237	Infrared Image Object Detection Improvement based on YOLOv3 Algorithm	FrB3-1
P00238	Multi-hop teleportation of unknown qutrit state based on the GHZ channels	FrD7-3
P00239	Fuzzy Flexible Job Shop Scheduling Algorithm Based on Multi-Swarm Search Strategy	FrP2-16
P00240	Reducing NOx Emissions and Optimizing Fuel Economy by Controlling Torque and Catalyst warm-up in mild HEVs	FrB1-2
P00241	TROT-Q: Traversability and Obstacle Aware Target Tracking System for Quadruped Robots	FrP3-2
P00242	Integral Barrier Lyapunov Functions-Based Adaptive Control of Uncertain Nonlinear Systems with Unknown Control Directions and State Constraints	WeB7-1
P00243	Robust Multi-Objective Particle Swarm Optimization Algorithm Based on Hybrid Metric	ThurA5-5
P00244	Sliding Mode Controller Based on a Delayed Output Observer for Yaw Channel of an AUV	FrD3-2
P00245	Route Optimization of Mixed Package-Passenger System with Matching Based on Cost Sharing among Passengers	FrD4-5
P00246	Reinforcement Learning based Bi-stage Controll for Semi-enclosed Berth	WeA5-1
P00247	Intermittent dynamic event-triggered control for linear system with quantized input	WeB3-3
P00248	Fast Blockwise Matrix-Matrix Multiplication Using AVX and Prefetching on Shared Memory	WeC1-3
P00249	Analysis of Consensus Adaptive Filters Over Directed and Markovian Switching Networks	FrB7-1
P00250	Failure-Robust Multi-Robot Tasks Planning underLinear Temporal Logic Specifications	ThurA6-4
P00251	Asynchronous Finite-time Output Regulation for Switched Systems with Unstable Switching Dynamics via Hybrid Adaptive	FrB1-3
F00231	Event-triggered Mechanism under Mixed Data Injection Attacks	FID1-3
P00252	On Discrete-Time Partial Averaging	WeB4-2
P00253	Nonsingular Hierarchical Trajectory Tracking Control for Miniature Helicopter based on Virtual Angles Considering Perturbation caused by Attitude Error and Nonlinear Coupling	ThurP2-1
P00254	Finite-time Distributed Control of Autonomous Surface Vehicles with Velocity Constraints	FrD6-2
P00255	Artificial Neural Network Modelling of an Autonomous Vehicle for Enhanced Lateral Position and Yaw Angle Prediction	FrD3-3
P00256	Performance Analysis of Acceleration Estimation Effect on a CartesianTime-delayed Controller for a Robot Manipulator	ThurA9-1
P00257	Optimal time-varying topology for network systems	FrB1-4
P00258	A Basic Study on the Stability of Discrete-Time Repetitive Control Systems	FrC1-3
P00259	State Estimation with Differential Privacy under Scale Enlargement of the Sensor Network	ThurA4-2
P00260	Non-collocated observer-based control design for PDE-based multi-agent deployment	FrC1-5
P00261	Distributed Stochastic Frank-Wolfe Using Momentum Tracking	FrD4-1
P00262	Adaptive Tracking Differentiator Control for Nonlinear Stochastic Systems	WeC3-2
P00263	Fault Detection Filter Design for Neural Networks with Time Delays and Markov Jump Parameters	FrP1-5
P00264	Cooperative guidance for speed-varying vehicle against moving target	FrA2-2
P00265	Output-Constrained Control of Multiple Mechanical Systems With Actuator Faults	FrP1-6
P00266	fLMM: improving prediction accuarcy for cross-ancestry GWAS	ThurP1-1
P00267	On Negative Imaginariness and H∞ Control ofDescriptor State-space Symmetric Systems withoutMinimality Assumptions	FrD5-1

P00268	Active Fault-Tolerant Control for Spacecraft with Actuator and Sensor Faults	FrP1-11
P00269	Outage Performance of Rate Splitting Multiple Access-Based Cooperative MIMO UAV Networks	FrB2-3
P00270	The optimal strategy against Fictitious Play in infinitely repeated games	ThurB5-2
P00271	A unified approach to large-scale genome-wide gene-environment interaction analysis and its application to time-to-event data analysis	ThurP1-26
P00272	Revisiting the F-8 Aircraft Control Problem with Dynamic Programming	ThurC1-4
P00273	Impulsive pinning synchronization on Lur'e dynamical networks with hybrid time-varying delays	WeB3-4
P00274	On the peak of the response of structured polytopic linear systems	WeA2-1
P00275	Aperiodic Sample-Data Control Strategy for Network Control System with Hybrid attacks	FrA6-2
P00276	Stability of Logical Dynamic Systems with A Class of Constrained Switching	ThurA4-6
P00277	Robust Attitude Fault Tolerant Control of UAV With Input Saturation and Uncertainties	FrB2-4
P00278	Fully Distributed Observer-Based Consensus Protocol: Adaptive Dynamic Event-Triggered Schemes	ThurP2-2
P00279	Unveiling Human Reasoning Using Bayesian Meta-Analysis of Cortical Surface	WeA3-1
P00280	Model free adaptive integral sliding mode control based on disturbance observer for a class of SISO nonlinear discrete systems	WeA5-2
P00281	Adaptive fuzzy cooperative control for multiple non-affine nonlinear leader-following systems under switching communication networks	WeC3-3
P00282	Sparse Recovery of Multivariate ARMAX Systems	ThurB5-3
P00283	L2/L1-Induced Norm Analysis in Sampled-Data Systems	FrA6-3
P00284	An input-mapping based distributed MPC approach for linear systems with unknown input coupling	WeP1-12
P00286	Performance Analysis of LiDAR Odometry and Mapping with Plane and Edge Features	FrD2-3
P00287	A SOSM Control Algorithm by Using Fixed-time Adaptive FuzzyTechnique	ThurP2-2
P00288	Stochastic Consensus of Heterogeneous Multi-Agent Systems with Markovian Switching Topology and Measurement Noise	ThurD6-1
P00289	Three Frequency-limited Balanced Truncation Algorithms: A Comparison and Three Families of Extensions	ThurP2-1
P00290	Data-driven iterative consensus control of decentralized interconnected systems based on sliding mode method	WeA5-3
P00291	Minimum sensing path-following via discrete-time control barrier function	ThurA9-2
P00292	Distributed stochastic gradient tracking algorithm for non-convex optimization	FrB7-2
P00293	Finite-time commend filtered output-feedback backstepping control of state-constrained manipulator systems	FrP1-1
P00294	Distributed Aggregative Optimization with Quantized Communication	ThurP3-5
P00295	Tradeoff Analysis Between Localization Accuracy and Location Privacy Level in Moving Target Localization	FrB5-2
P00296	Adaptive Fuzzy Control of Autonomous Underwater Vehicle via Performance Observer and Disturbance Observer	ThurD7-
P00297	Approximation of Commensurate Fractional-order systems using Colliding bodies optimization	WeB4-3
P00298	Trajectory Optimization for an Aerial Transportation System in Urban Environments	WeP2-5
P00299	A heuristic algorithm for the electric vehicle routing problem with time windows	WeA6-1
P00300	Model Validation Error Analysis From a Reachability and Observability Point of View	FrA4-1
P00301	A feedback control design for rendezvous of the Cucker-Smale model on the unit circle	FrA5-2
P00302	Robust State and Disturbance Reconstruction of Multi-area Power Systems via Sliding Mode Observer	FrC2-1
P00303	Local Stabilization of T-S Fuzzy Systems	FrC2-2
P00304	Event-triggered filter design for Markovian jump fuzzy systems	WeA2-2
P00305	Fault Diagnosis Method for the Driving Modules of Collaborative Robots Using Vibration Signal Analysis and an Artificial Neural Network	FrP3-13
P00306	Model-Based Deep Learning Reconstruction for Neurovascular Imaging	WeA3-2
P00308	Quadratic Optimization Using Additive Homomorphic Encryption in CPS	FrB5-3
P00309	Modeling and synchronization stability of large-scale DG system with load	ThurP2-1
P00310	Fractional Order Modeling and Internal Model Control of Dielectric Elastomer Actuator	ThurA7-1
P00311	Extended State Observer based Robust Model Predictive Control for Autonomous Underwater Vehicle	ThurD7-2
P00312	A modified reaching law-based sliding mode controller design for uncertain robotic manipulator system	FrP1-7
P00313	Consideration of Charging and Efficiently Using Surplus Photovoltaic power by Hydrogen Energy System	FrD4-6
P00314	Linear Quadratic Optimal Control Problem for Stochastic System with Time-Delay and Partial Information	ThurP2-3
P00315	Distributed cooperative optimal control of multistage belt conveyor system	WeC5-2
P00316	Reachable set estimation of neural networks with stochastic sampled-data	WeC3-4
P00317	Energy Planning and Control of HEV for Zero Emission Zone Drive	WeP2-2
P00318	Driving Controller for Autonomous Vehicle considering Vehicle-to-Vehicle Interaction	WeP2-3

P00319	Gaussian Process Regression-based Disturbance Rejection Controller for Unmanned Aerial Vehicle	FrA3-1
P00320	Multi-signal extension of oscillator based adaptive notch filter algorithm using maximum correntropy criterion	FrC2-3
P00321	Sequential Covariance Intersection Based on the Upper Bound of Correlation Coefficient	ThurP3-4
P00322	Optimal Mid-Course Guidance of VFDR missiles Based on Pseudospectral Convex Optimization	FrA2-3
P00323	Model-free Adaptive Parking Control for Four-Wheel Vehicle	FrC6-1
P00324	Complete Synchronization of a Class of High-dimensional Kuramoto Model with Nonidentical Oscillators	FrA5-3
P00325	Sliding mode disturbance observer-based model predictive control for PMSM servo system	FrP1-2
P00326	Comparison of the Signal Processing Methods to Enhance the Performance of the Signal Reconstruction System with Deep Learning	FrC2-4
P00327	Tri-Tzone: Tri-Grid Traversable Zone Segmentation based on Graph Searching Method using 3D LiDAR	FrP3-3
P00328	Fault Diagnosis of Multiple-railway High Speed Train Bogies based on Federated Learning	WeP1-13
P00329	Enhanced P300 brain-computer interfaces through motor imagery	WeA3-3
P00330	High-accuracy and Adaptive Fault Diagnosis of High-Speed Train Bogie Using Dense-Squeeze Network	WeP1-14
P00331	A Pilot Study of Parameter-Related Changes in Tactile Sense Induced by Biphasic TENS	ThurP1-17
P00332	An improved GA-based inverse kinematics solution algorithm for underwater manipulator	FrC4-1
P00333	Current-Sensorless Robust Control for Bidirectional DC-DC Dual Active Bridge Converter with Current Stress Optimization	FrC2-5
P00334	Coexistence of strong and weak social ties leads to fair allocations of resources in finite populations	FrC5-1
P00335	H-infinity Control of Linear Uncertain Systems with Positivity Constraints	WeC4-1
P00336	Predefined-Time Fault-Tolerant Control for Nonlinear Systems with Unknown Disturbances	WeP1-15
P00337	Approximation-Based Fixed-Time Adaptive Control of QUAV with Input Constraint	FrP1-14
P00338	Hopf bifurcation in a delayed epidemic model with vaccination	ThurB6-2
P00339	Development of A Patient Transfer System based on A Modular Hoist	ThurP1-1
P00340	Optimality and Sparsity of the Receding-Horizon Input for Sparse Control	WeA2-3
P00341	Fuzzy PID Control for 2-Dof Underwater Observation Robotic System	FrP3-14
P00342	Development of an ICT-based Trampoline Rehabilitation Exercise System to Strengthen the Muscle Strength and Balance Ability of the Elderly	ThurP1-2
P00343	New Optimal Terminal Guidance Law for High-Speed Maneuvering Target	FrA2-4
P00344	Event-Triggered Distributed Exponential H∞ Observers Design for Discrete-Time Nonlinear Systems over Wireless Sensor Networks	ThurP3-1
P00345	Data-driven optimal control for discrete-time linear systems	FrC1-4
P00346	Event-triggered Leaderless Robust Consensus Control of Nonlinear Multi-agents under Disturbances	ThurP3-1
P00347	A Consensus-based Approach for Economic Dispatch considering Multiple Fueling Strategy of Electricity Production Sector over a Smart Grid	ThurB3-3
P00348	Development of Q-learning based Industrial Part Assembly Method using Dual Arm Robot	ThurB1-2
P00349	Joint Power Allocation and Trajectory Design for UAV-enabled Secure Communication System	FrB6-1
P00350	An Improved Security OLSR Protocol against Black Hole Attack based on FANET	WeB7-2
P00351	Distributed Order Estimation of ARX Model Under Cooperative Excitation Conditions	FrB4-1
P00352	Investigating the contribution of afferent feedback to adaptive hindlimb walking in cats using a neuromusculoskeletal model	ThurC4-2
P00353	A Midcourse and Terminal Guidance Handover Window based on Predicted Intercept Area.	FrP1-12
P00354	Investigating contribution of phase resetting to long-range correlations in stride intervals using a simple model	ThurB4-1
P00355	Traffic Information-based Energy Optimization Algorithm for Parallel Hybrid Electric Vehicles	WeB6-1
P00356	Gaussian Process-assisted Constrained Expensive Multi-Objective Optimization Evolutionary Algorithm	ThurA5-6
P00357	Generalized Kernel Approximation for Computing the L∞-Induced Norm of Sampled-Data Systems	FrA6-4
P00359	Deep Learning-based Real-time Object Detection for Empty-Dish Recycling Robot	FrC7-1
P00360	The l∞/2 Performance of Discrete-Time Output-Feedback Event-Triggered Systems	FrA6-5
P00361	Individual Difference Correction for Group Analysis of EEG using Latent Space Analysis	ThurC3-4
P00363	A Time-Synchronized Convergence Property	WeB7-3
P00364	Self-Triggered Distributed Optimization of Energy Management Systems with Demand Response	FrA4-2
P00365	Sensorless Control of PMSM via Extended State Interconnected Observer	ThurA4-3
P00366	Distributed Nash Equilibrium Seeking Algorithms for Uncertain Linear Multi-agent Systems	FrD4-2
P00367	Fundamental Identification Limit of Single-Input and Single-Output Linear Time-Invariant Systems	FrC6-2
P00369	Trajectory Planning for Autonomous Driving with Path Integral Control using Pre-optimized Prior	WeP2-4
P00370	Automatically estimated meals in Model Predictive Control-Moving Horizon Estimation control strategy	ThurC3-3

P00371	A \$ arepsilon\$-Nash equilibrium in convex strategy set in linear dynamic games with input time-delay	ThurP2-23
P00372	A Response Predctionable Data-Driven I-PD Gain Update Method	ThurB7-2
P00373	Dual-Quaternion-Based Sampled-Data Pose Tracking Control of Spacecraft	FrC5-2
P00374	Staff lines removal based on naive bayesian model	ThurA7-2
P00375	Skeleton-based Dynamic Hand Gesture Recognition using a CRNN for Teleoperation of Industrial Robot	FrC2-6
P00376	Gyroscope Bias Estimation Method using Iterated State Transition Fusion Algorithm	FrD2-4
P00377	Design and Control of FAC-MAV: A Fully-Actuated Cubic Multirotor Aerial Vehicle	FrD3-4
P00378	Studies on distributed formation control of signed networks via edge viewpoint	FrP1-3
P00379	A Robust Multiscale Feature Graph Reasoning Network to Mine Hotspot Common Features of Photovoltaic Farms	WeA4-6
P00380	Bipartite consensus problems of directed signed networks with saturating input	FrP1-4
P00381	Development of Hazardous Gas Detection Robot Equipped with Gas Sensor and Collection Device	FrP3-12
P00382	Exponential Convergence of Abstract Dynamics without Strong Monotonicity	FrD4-3
P00383	Construction and evaluation of computational methods for predicting cancer driver genes	ThurP1-27
P00384	Fast Source Seeking with Obstacle Avoidance via Extremum Seeking Control	FrC4-2
P00385	Adaptive Tracking Control of Nonholonomic Mobile Robots With Input Constraints and Unknown Disturbance	WeB7-4
P00386	Developing a Realistic Simulation Environment of Off-road Terrain for UGV	FrC5-3
P00387	Random Finite Set based Safe Landing Zone detection and tracking	ThurD3-2
P00388	Learning based MPC of vehicle platoon	WeC5-3
P00389	Adaptive Robust Control of a Flexible Manipulator With Unknown Dead-zones	FrC1-6
P00390	Data-Driven Adaptive Control for a Class of Nonlinear MIMO Systems with Input Saturation	FrC6-3
P00391	State Estimation of Fractional-Order Memristor-Based Neural Networks with Probabilistic Time-Varying Delay	WeB3-5
P00392	Optimal topology design for structural controllability of heterogeneous connected systems	WeC5-4
P00393	Research and Implementation of Agricultural Water-Saving Irrigation Prediction Algorithm Based on GA-BP Neural Network	FrP2-9
P00394	Finite-time Fault-tolerant Control of Manipulator Considering Time-varying output Constraints	FrP1-15
P00395	Eco-driving Control of Electric Vehicle with Traffic Signals and Battery Dynamic Model	FrD5-5
P00396	Command Filtering-Based Event-Triggered Adaptive Fuzzy Output Feedback Control For a Class of Stochastic Nonlinear Systems	FrP1-16
P00397	Distributed Stochastic Annealing Algorithm for Social Optima of Non-convex Cooperative Aggregative Games	ThurB5-4
P00398	Customized Lower Limb Rehabilitation Platform as A Tool for Optimized Gait Pattern Generation	ThurP1-3
P00399	Development of 3D Wire Processing Robot for Orthodontic Wire from CT Image	ThurP1-4
P00400	Dynamic Expression Recognition-Based Quantitative Evaluation of Teaching Validity using V-A Emotion Space	ThurA7-3
P00401	Boustrophedon Coverage Path Planning Using Deep Reinforcement Learning Based Traveling Salesman Problem	FrA3-2
P00402	Finite-time flocking behavior of the Cucker-Smale model with rank hierarchy	FrA5-4
P00403	Motion Planning for Mobile Robots with Noise: A Probabilistic MPC Approach	WeC4-2
P00404	Distributed cubature information fifiltering based on hybrid consensus strategy with event-triggered mechanism	FrC5-4
P00405	Long-Term Control for Multi-agent Persistent Monitoring with Limited Detection Qualities and Packet Losses Constraints	FrA7-2
P00406	Robust Adaptive Sliding Mode Tracking Control for a Rigid Body Based on Lie Subgroups of SO(3)	ThurP2-24
P00407	A new Lyapunov-Krasovskii functional for stability analysis of time-delay systems with the affine Bessel-Legendre inequality	ThurD2-1
P00408	Vibration Control for a Flexible Crane Boom with Truss Structure	WeP3-9
P00409	Fuzzy Control of Catalytic Packed-bed Reactor	FrC5-5
P00410	Facial Expression Recognition Based on Multi-Scale Convolutional Vision Transformer	ThurA7-4
P00411	Optimal Control for Discrete-Time Markov Jump Linear Systems with Multiple Input Channels	ThurP2-4
P00412	GNG-Based NSGA-III for Deviation Correction Trajectory in Vertical Geological Drilling Process	WeC7-4
P00413	Fast Computation of Affine Rules for Wasserstein Distributionally Robust Unit Commitment	FrD5-3
P00414	Adaptive Second-Order Fast Nonsingular Terminal Sliding Mode Control for a Tilting Quadcopter	WeB7-5
P00415	Distributed Recursive Projection Algorithm under Binary-Valued Observations	FrB7-3
P00416	The H-property of Line Graphons	ThurA3-5
P00417	Leader-Follower Mean Field LQG Games: Feedback Solutions	ThurP2-5
P00418	Hybrid Impedance Force Tracking Control of a Robot Manipulator underNon-model Dynamics and Nonlinear Uncertianties	ThurA9-3
P00419	A Hybrid Model for Photo-responsive Liquid Crystal Elastomer Actuator	ThurA7-5
P00420	Predictive Control of Network Control Systems with Unknown Transmission Delay via LSTM Network	ThurA6-5
P00421	Optimal Jamming Strategy Against Periodically Switched Linear Discrete-Time System	FrB5-4

P00422	Design and control of hybrid flexible robotic gripper with high stiffness and stability	FrP3-8
P00423	A Smart Surface Defects Inspection Robot System for Multi-type Components of Automotive Production	WeP1-1
P00424	Semi-global bipartite consensus for heterogeneous multi-agent systems with input saturation	ThurA4-4
P00425	Equipment Health State Assessment Based on MIC-XGBoost	WeP3-12
P00426	A survey of learning from inertial sensor to estimate displacement of smartphone	FrD3-5
P00427	Simulation Software to Evaluate Kinematic Calibration of Robot Manipulator	FrP3-9
P00428	A Background-Aware Tracker with Multi-Features Correlation Filters	ThurD4-1
P00429	Research on Numerical Motion Planning Algorithm for Welding Robot	ThurB1-3
P00430	Data-driven Linear Quadratic Regulation without State Measurement	FrB3-2
P00431	Terrain-assisted navigation of long-range AUV based on intelligent particle fifilter	ThurA4-5
P00434	Distance measurement using electro-optics comb-swept laser	WeC9-4
P00435	Robust Fuzzy Active Contour Model for Mixed Noise Image Segmentation	ThurD4-2
P00436	Development Process of the orthodontic wire processing robot	ThurP1-5
P00437	The L1 dynamic output-feedback controller synthesis for nonlinear systems	ThurD2-2
P00438	Data-Driven Model Free Adaptive Iterative Learning Compensation Control for MIMO Nonlinear System with Sensor Faults	FrC6-4
P00439	Eco-driving control of connected and automated vehicles by leveraging muliple traffic light signals	WeB6-2
P00441	Observers for \$2\times 2\$ Hyperbolic Systems with Coupled Nonlocal Boundary Condition	ThurB6-3
P00442	Robust altitude control based on adaptive neural network for rotorcraft unmanned aerial vehicles	FrD2-6
P00443	Algorithm design and approximation analysis for distributed robust games	ThurB5-5
P00444	A Deadbeat Controller Based on Adaptive Cruise Control for Autonomous Vehicles	FrP3-19
P00445	GSM based Optimization for Neuro-Musculo-Skeletal Model	ThurP1-6
P00446	Reduced-order Controller Design via Sparse Optimization	FrA6-6
P00447	Analysis of pelvic movement in the coronal plane during human walking and running	ThurB4-3
P00448		FrB3-4
P00449	A Policy Iteration Method for Mean Field Game	WeA6-2
P00450	Distributed finite-time constrained attitude regulation for flexible spacecraft formation on SO(3)	ThurD6-2
P00451	Extended dissipative non-fragile event-triggered control for semi-Markovian jump systems with randomly occurring uncertainties	WeC3-5
P00452	Data-based Graphical Modeling with Applications in Data Propagation for Disaster Response	WeA6-3
P00453	Automated Feature Engineering for Fraud Prediction in Online Credit Loan Services	WeP1-16
P00454	Resilient Consensus for Opinion Forming under Self-Persuasion Mechanism	WeC1-1
P00455	Gentle Normalization and Translation in Graph Neural Network for Few-shot Learning	WeC1-2
P00456	Lower Bound on Delay Consensus Margin of Discrete-Time Multiagent Systems	FrC4-3
P00457	Adjacent-Agent Dynamic Linearization-Based Iterative Learning Formation Control	WeA7-5
P00458	Deep Learning-based UAV Trail Following with The Neural Network Model Compression	FrA3-3
P00459	A Novel Feature Selection Method Based on Ambiguity Distribution	ThurD4-3
P00460	Consensus of Nonlinear Fuzzy Multi-agent Systems with Saturation Constraint Hybrid Impulsive Protocols	ThurD6-3
P00461	Resilient Locomotion Approach for Snake Robots	ThurC4-4
P00462	Stochastic optimization with momentum	Thure4
P00463	Quasi-Synchronization of Multi-Layer Neural Networks With Additive Couplings and Event-Triggered Impulsive Control	FrA7-3
P00464	Dissipative analysis for fractional-order complex-valued reaction-diffusion neural networks	WeB3-6
P00465	Deterministic submanifolds for the backward-evolving quantum state concerning a monitored qubit	FrD7-4
P00466	Patch Variational Autoencoder-based Industrial Defect Detection	WeP1-2
P00467	Adaptive Coverage Control for Dynamic Pattern Generation	ThurC6-
P00468	An Iterative Method for Inverse Optimal Control	Thured ThurA3-6
P00470	Properties of positive feedback interconnected negative imaginary systems	FrD5-2
P00471	Integrated Autopilot Guidance Based on Angular Rate Feedback Structure	FrA2-5
P00471 P00472	Aperiodically Intermittent Adaptive Dynamic Event-triggered Control for Linear Multi-agent Systems	FrA5-5
P00472 P00473	A Benchmark Comparison of Four Off-the-Shelf Proprietary Visual-Inertial Odometry Systems	FrD3-6
P00473	A Compliant-Rigid Underwater Manipulator for Enhanced Safety and Precision Performance	ThurD7-3
P00474 P00475	A Pricing Rule for Third-Party Platoon Coordination Service Provider	FrD6-3
100413		1100-5

P00477	Design of a Database-Driven Kansei Feedback Control System using EEG Data	ThurB7-3
P00478	Control using Q-learning for networked coordination games	ThurA3-3
P00479	Design, Control and Implementation of an Intelligent Material Handling Robot	WeC7-5
P00480	Resonant Finite Control Set Model Predictive Control of Single Phase Boost Rectifier in Stationary Reference Frame	WeB4-4
P00481	Efficient Sensor Grouping Strategy for Secure State Estimation under Sparse Sensor Attack	ThurD3-3
P00482	Impact Time and Angle Guidance Against Maneuvering Targets	ThurP2-16
P00483	Effects of mechanical massage therapy on Parkinson's disease: A Case Report	ThurP1-10
P00484	Modulation of epileptiform activities using therapeutic focused ultrasound	WeA3-4
P00485	ASPR based Adaptive Anti-Windup Control for Adaptive Output Feedback Control with PFC and Adaptive Feedforward Input	ThurB7-4
P00486	Repetitive Control of EV Battery Charger in Single-Phase Vehicle-to-Grid (V2G) Mode	WeB4-5
P00487	Perfect tracking of second-order hyperbolic impulsive linear distributed parameter systems based on iterative learning control	WeA7-6
P00489	Design of a Practical Database-Driven PID Control System Considering State Variables	ThurB7-5
P00490	Stealthy Attack Detection for Privacy-preserving Real-time Pricing in Smart Grids	FrB6-2
P00491	Dynamical condition to involve two types of flights in cheetah galloping using a simple model	ThurC4-1
P00492	Finite-time enclosing control for multiple moving targets with control input saturation	FrC4-4
P00494	Deep Reinforcement Learning Based Multi-Mobile Robots Navigation	FrP3-15
P00496	Experimental Validation of Encrypted Quadratic Optimization Implemented on Raspberry Pi	FrB6-3
P00497	Analysis of fuel efficiency characteristic of an internal-combustion-engine-driven vehicle using pulse and glide strategy driving on a slope road	WeA6-4
P00498	Experimental Validation of the Ceiling Wall Effect Model Based on Momentum Theory	ThurC6-2
P00499	Decentralized Control Strategies for Electric Vehicles Charging Based on Mean Field Game	WeA6-5
P00501	Integral Interpolation Error Analysis BasedMultistage Pseudospectral for Solving Optimal Control Problems	FrP2-4
P00502	Distributed formation control for discrete-time systems with field of view constraint	FrC1-1
P00503	MPC based energy management strategy with on-board parameter identification	WeB6-3
P00505	Hybrid Group Consensus of Multi-agent Systems with Time-delays and Additive Noises	ThurD6-4
P00506	Ambiguity in retrieving plasmonic field enhancement from third harmonic generation	WeC9-5
P00507	MEGN: A Maximum Entropy Goal Selection Method for Multi-Goal Reinforcement Learning	FrA3-4
P00508	Closed-form expression of Invariant Error Propagation in Robot State Estimation	WeC4-3
P00509	Distributed Feedback Optimization of a Class of Multi-Agent Systems	WeC4-4
P00510	Real-time multi-resource jointed scheduling of container terminals with uncertainties using a reinforcement learning approach	WeA5-6
P00511	Optimal Tracking Control for Multi-player Non-Zero-Sum Games of Continuous Time Linear Systems with Unknown Dynamics	ThurP3-6
P00512	A sleep stage classification method using deep learning by extracting the characteristics of frequency domain from a single EEG channel	ThurP1-21
P00513	Universality of Reservoir Computing Using Reservoirs without Fading Memory	FrA4-3
P00514	An Improved Optimal Torque Control Based on Estimated Wind Speed for Wind Turbines	FrB6-4
P00515	Investigating the effect of acupuncture treatment on MCI patients using classification techniques	ThurP1-23
P00516	A Multi-Objective State-Feedback Synthesis for Infinite-Dimensional Systems Based on Linear Operator Inequalities in the Conjugate Space	ThurB6-4
P00517	Robust Intention Recognition Method Based on the Attention Mechanism	FrP2-1
P00518	Distributed Leader-Following Consensus of Multi-Agent Linear Systems: A Model Reference Adaptive Control Framework	FrD6-4
P00519	Network of oscillators with associative memory for binary pattern retrieve	FrA5-6
P00520	A new feature fusion method for target recognition	FrP2-2
P00521	On Data-Driven Detection of Attacks to Cyber-Physical Systems	FrA4-4
P00522	IMU/Vision Integrated Attitude Estimation based on Convolutional Neural Network	FrB3-3
P00523	Event-Triggered Controller for Synchronization of Chaotic Neural Networks using Clock-Dependent Lyapunov Functionals	WeC3-6
P00524	Linear Quadratic Regulation for Multiplicative Noise Systems with Special Terminal Penalty	ThurP2-6
P00525	Automatic Mental State Identification Using Electroencephalography Meausred around Ears	ThurC3-2
P00526	A new method of image recognition based on open set recognition and zero-shot learning	FrP2-3
P00527	Motion Estimation from Asynchronous Optical Flows via Particle Filter	FrP3-4
P00528	Sleep stage classification using electroencephalography via Mel frequency cepstral coefficients	WeA3-6
P00529	Actuator-constrained Trajectory Optimization for Reusable Launchers' Landing	FrP2-5
		2 9

P00531	Plane based Point Cloud Registration for Multi-sensor in Indoor Scene	WeP2-6
P00532	Smart Shoe For Predicting Knee Abduction Moment	ThurP2-10
P00533	Fastener counting method with an improved Blendmack	WeP1-3
P00534	A faster consensus control algorithm for multi-agent systems with binary-valued communication	FrB7-4
P00535	Multi-Fault Diagnosis of Hydraulic Systems Based on Fully Convolutional Networks	WeC7-6
P00536	A data-driven real time energy management strategy for fuel cell hybrid vehicle in the connected environment	WeB6-4
P00537	MA-UNet++: A Multi-Attention Guided U-Net++ for COVID-19 CT Segmentation	WeP1-4
P00538	Minimum Number of Measurements in Enhanced Group Testing for Failure-edge Detection in Networks	FrA4-5
P00539	Design of a Database-Driven PID Controller for Unknown Time-Delay Systems	ThurB7-6
P00540	Hierarchical formation control for mobile robots with applications in library (position paper)	ThurP3-9
P00541	Energy Management for a Series-Parallel Plug-In Hybrid Electric Truck Based on Reinforcement Learning	WeC6-3
P00542	Development of a Finishing Robot System	ThurB1-4
P00543	Angular-dependent asymmetric plasmonic resonance of inclined nanopillars using stencil nanolithography	FrP2-10
P00544	Real-time Chasing Trajectory Generation using Homotopic Safe Flight Corridor	WeP2-11
P00545	Area Surveillance with Obstacles by Multi-UAVs with Energy Support from a UGV	ThurC6-3
P00546	Coalitional Control for Agents with Interactions and Constraints	WeA2-4
P00547	An Acoustic-Inertial Pose Estimation Method with Robust Feature Match and Graph Optimization	FrC4-5
P00548	Nash Pursuit Strategy for Nonzero-Sum MPC Game via Inverse Optimal Control	FrD6-5
P00549	Loop Closure Detection with Incremental Proximity Graph And Multi-words Quantization	ThurA9-4
P00550	Automatic Target Determination of Service System	ThurA9-6
P00551	Compact and Efficient Feature Representation for Defect in hot rolled strip steel: A position paper	WeP1-5
P00553	Classical and quantum passive systems	ThurP2-8
P00556	On Distributionally Robust Differential Dynamic Programming Using the Wasserstein Metric	FrD5-4
P00557	An Unknown Input Estimation Using LSTM Neural Networks for LTI Non-Minimum Phase System	WeA2-5
P00558	A Novel Method of Diagonal Inner-Outer Factorization	WeB5-4
P00559	Linearization-based position tracking control of two-wheeled multicopters moving on a wall	ThurC7-1
P00560	A novel bifurcation in hybrid dynamical systems: towards the analysis of walk, run, and fall in human locomotion	ThurB4-2
P00561	Cluster Assignment in Multi-Agent Systems	ThurA3-4
P00562	A Matrix Inequality Approach to Guaranteed Cost Control of a Nonlinear Bioreactor	WeA2-6
P00563	A Boundary Control Scheme for the Suppression of Vortex-Induced Vibrations of a Flexible Rod Transported in Water	ThurD7-4
P00564	Two-step Design Method for Sliding Mode Control to Suppress Spillover	WeB5-5
P00565	A Brief Survey of Non-Stationarity in Reinforcement Learning	FrA3-5
P00567	Medical Diagnosis of Lung Diseases Using Data mining Techniques from Iris Images: A Retrospective Controlled Study	ThurP1-1
P00568	Dynamic process quality-related fault detection based on quality-LSTM and Autoencoder network	FrP1-13
P00569	LiDAR Localization using reflective properties in harsh environment that interfere with LiDAR sensing	FrD2-5
P00570	Local Sensory Feedback Generates Various Wave Gaits in Multi-legged Robots via Embodied Sensorimotor Interaction	ThurC4-3
P00571	Semi-social Navigation using Deep Q Networks	WeP2-12
P00572	A Preliminary Study on Extracting the Collarette Features from the Iris Images	ThurP1-12
P00573	A Study of the Iris Characteristics of Dementia Patients Using the Askeye Iris Analysis Al Solution	ThurP1-13
P00574	A Novel Analysis Tool for Push-Sum Based Distributed Algorithms	ThurA3-1
P00575	A Study on The Iris Characteristics of Patients with Functional Gastrointestinal Disease Using Askeye Iris Analysis Al Solution	ThurP1-14
P00576	Machine Learning Prediction of Wellhead Growth in Gas Wells with Loading Uncertainties During Production Process	WeA4-5
P00577	Deep Reinforcement Learning-Based Tracking Control of Unmanned Vehicles with Safety Guarantee	FrA7-4
P00578	Study on a Database-Driven Controller Design based on Information Criterion	ThurC7-2
P00579	A Basic Study on Trajectory Accuracy Improvement of Hydraulic Excavator by Learning Control	Thure1-5
P00580	Data Based Identification of Byzantine Robots for Collective Decision Making	ThurP3-8
P00580	Experimental Evaluation of Marionette Algorithm for Disaster-Responding Special-Purpose Machinery	FrP3-10
P00581 P00582		WeB6-5
	Powertrain Efficiency Aware Optimal Eco-Routing for Connected Hybrid Electric Vehicles	
P00583	Nonlinear position control for 3–DOF soft actuator by using MSVR method	FrC7-2
P00584	On loop-shaping controller synthesis for a flexible slewing arm with tip accelerometer	ThurB6-5
P00585	Stabilization of a wave equation and a scalar ODE by a single input Powertrain Control for Improving Energy Efficiency with Engine Thermal Model	ThurB6-6 WeC6-4

P00587	Optimal Control Strategy of Connected Vehicles in Urban Environment with Platoon Mechanism	WeB6-6
P00588	Control Performance Assessment Method for Prompt Detection and switching Control System	ThurC7-3
P00590	Graph Auto Encoder-based Operation Performance Assessment Method and Its Application for Complex Industrial Process	WeA4-1
P00591	Robust Tracking Control for Uncertain Micro-hand Actuator with Prandtl-Ishlinskii Hysteresis	FrC7-3
P00592	Operator based forced vibration control of a flexible plate with Hysteresis nonlinearity	FrC7-4
P00593	Study on clothing classification by machine learning for folding system using two omnidirectional robots with single arm	ThurB1-6
P00594	Wearable Frequency division multiplexing fNIRS system with silicone elastomeric substrate patch	ThurP1-22
P00595	Unsupervised Monocular Depth Estimation with Inertial Sensor for Scale Recovery	FrA3-6
P00596	Semi-dense disparity estimation with an event and a frame camera	WeP2-13
P00597	On Iterative Learning Control for Nonlinear Discrete-Time Systems with Input and Output Constraints	WeB4-6
P00598	Global alignment algorithm for fusion SLAM of GNSS and a monocular camera	WeP2-7
P00599	Data-driven design of V-Tiger utilizing Wiener filter	ThurP2-17
P00600	Data-driven design of V-Tiger utilizing FFT analyzer	ThurP2-18
P00601	V-Tiger for 2DOF and MIMO system and its application to 2-link robot	ThurP2-19
P00602	Competitive MARL for Task Assignments	FrP2-12
P00603	Hybrid motion/force control of the aerial manipulator without information on the added equipment	WeP2-14
P00604	Pattern Formation Algorithm using Curve Images	FrP2-13
P00606	A Novel Scheduling Approach for Intelligent Ridesharing System	WeP2-8
P00607	Large Divert Computational Guidance for Exoatmospheric Vehicles	FrA2-6
P00608	Detecting Visual-Inertial Initialization Failure utilizing the Local Observability Gramian	WeP2-9
P00609	Voltage Sensorless for a Grid-connected Inverter Using an Adaptive Disturbance Observer	ThurD2-3
P00610	Control Parameter Design Method for Anti-sway Control of a Patient Transfer Robot	FrP3-16
P00611	Unbiased Control of Nine-Pole Active Magnetic Bearings	ThurB9-6
P00612	A Distributed Relaxed Inertial Projection Nash Equilibrium Seeking Algorithm	FrA7-5
P00613	A Pilot study of Mirrored-Virtual Hand Illusion Training on Amputees: a case report of two subjects	ThurP1-7
P00614	Machine learning-based performance assessment method in the dense process of hydrometallurgy	WeP3-13
P00615	A Pilot Experiment to Understand Shared Control	FrD2-2
P00616	Improved stability criteria for sampled data systems via a novel looped-functional	ThurD2-4
P00617	Autonomous Obstacle Avoidance Control Based on Potential Field Model for Intelligent Vehicle	WeC5-5
P00618	Convergence of State Based Near-potential Games.	FrB4-2
P00619	A New Feature Extraction Method from Spectroscopy	ThurD4-4
P00620	Vehicle Mass Estimation Based on Bilinear Model and Tracking Differentiator	FrP1-8
P00621	Multi-agent cooperative strategy learning method based on transfer Learning	ThurA7-6
P00622	Operating performance assessment of between-mode transitions for multi-mode plant-wide process	WeA4-2
P00623	Operation Environment Adaptive Analytic Hierarchy Process based Mobile Robot Navigation	FrP3-17
P00624	Prescribed-Time Bipartite Average Consensus of Multi-Agent Systems with Cooperative-competitive Interactions	ThurB3-6
P00625	Object-Oriented Navigation with a Multi-layer Semantic Map	ThurC5-1
P00626	The Virtual Spring Damper Model based Human Following Technology for a Companion Robot	FrP3-18
P00627	SCD-CA: Stable Concept Drift Learning Based on Correlation Alignment for Streaming Data Forecasting	WeA4-3
P00628	Bond graph modeling and trajectory control of H-drone	FrD1-2
P00629	Estimation of Contact Force in Human-Robot Collaborations	ThurC5-2
P00630	Optimal Control using Sparse Gauss-Hermite Quadrature Differential Dynamic Programming	WeA9-5
P00631	A Routing Method for Ridesharing Service by Applying CPLEX	WeP2-10
P00632	Stair-Ascending Mobile Robot With Flexible Wheel	FrP3-11
P00632	A Convolutional Neural Network for Hand Gesture Intention Recognition of Trans-Radial Amputees	ThurP1-8
P00633	Output Synchronization of Discrete-Time Heterogeneous Network	WeC4-5
	Distributed Control for Teleoperation on Multiple Mobile Manipulators with Physical Constraints	
P00635		ThurC5-3
P00636	Controllability of Multilayer Drive-response Networked CLTI Systems	FrB4-3
P00637	Dynamic Event-Triggered Fuzzy Adaptive Control for Uncertain Non-Strict-Feedback Stochastic Systems With Attacks	ThurP3-1
P00638	Distributed Robust Nash Equilibrium Seeking for Double-Integrator-Type Players Without Velocity Measurements Deep Learning-Based Unmanned Aerial Vehicle Control with Hand Gesture and Computer Vision	FrA7-6 WeP3-14
P00639	LIBER LEARDING-BASED LINMANNED VENICIE (ONTROL WITH HAND LASTURE and (OMPUTER VICION	IVIOU3_1/

P00641	Development and Experiments of a Novel Personal Off-the-Ground Vehicle	WeP2-15
P00643	Development of Personal Off-The-Ground mobility using air chusion modules	WeP2-16
P00644	Modeling and Control of hoverboard with jacobian linearization	WeP2-17
P00645	Development of an Autonomous UAV Integrated with a Manipulator and a Soft Gripper	FrD1-3
P00646	Modified Track Guidance Algorithm	ThurA1-1
P00647	3D Pure Pursuit Guidance of Drones for Autonomous Precision Landing	FrD1-4
P00648	Aeromechanical Design and Analysis of H-Drone Configuration	FrD1-5
P00649	Design of Multichannel Portable for Functional Near-Infrared Spectroscopy / Electroencephalography Hybrid System	ThurP1-25
P00650	Extraction and generation of accurate bass note via dissonance algorithm	WeP3-10
P00651	Modified E3 exploration algorithm for unknown environments with obstacles	ThurC6-4
P00652	Cognitive response to nitric oxide on aging people	ThurP1-24
P00653	Design and Development of Personal Off The Ground(OTG) mobility	WeP2-18
P00654	Design of Personal Off-The-Ground mobility controller using Smart Insole with Fuzzy Logic	WeP2-19
P00655	Feedforward Compensation Based Adaptive Control for Piezoelectric-Actuated System	FrC7-5
P00656	Reachability Estimates of Piecewise Deterministic Markov Processes	FrD5-6
P00657	A Brief Review on Behavior Recognition Based on Key Points of Human Skeleton and Eye Gaze To Prevent Human Error	ThurC5-4
P00658	Controlling a Mobile Companion Robot Using a Wearable IMU Module	ThurD5-1
P00660	Inference of Gene Regulatory Networks with Local Lasso Path Consistency Algorithm Based on Conditional Mutual Information	FrB4-4
P00661	Distributed Adaptive Consensus of Networked Systems with Dynamic Event-Triggered Strategy	ThurP3-2
P00662	Extended State Predictive Observer-based Air-Fuel Ratio Control for Gasoline Engines	WeB5-6
P00663	Hierarchical Design of Model Predictive Control for the Fuel Cell Cathode Dynamics	WeC6-5
P00664	A study of the human-robot synchronous control based on IMU and EMG sensing of an upper limb	ThurD5-2
P00667	Data-driven Consensus Control of Fully Distributed Event-triggered Multi-agent Systems	FrC6-5
P00668	Water Surface Walking and Gait Efficiency Analysis of Legged Locomotion Robot Equipped with Floats on Feet	ThurB4-5
P00670	Ultrahigh-speed Stealth Walking on Zero-friction Floating Island Based on Horizontal and Vertical Ground Reaction Force Control	ThurB4-4
P00672	Internal Model-Based Impact Time Control Guidance Law Against Weaving Targets	FrP2-6
P00673	Reachable-Orbit-Domain for Launch Vehicles Based on Polyhedron Approximation Method	FrP2-7
P00674	Quadrotor Aerobatic Maneuver Attitude Controller based on Reinforcement Learning	FrP2-8
P00675	A Link Model For Flexible Endoscope Holder Robot	ThurD5-3
P00676	Towards Double-Efficient Stochastic Decentralized Accelerated Algorithm for Machine Learning Tasks	ThurP3-3
P00677	Performance Analysis of Machine Learning Algorithms for EMG based Gestures	WeP3-16
P00678	EMG Signals Based Gesture Recognition Accuracy Improvement By Machine Learning Classifiers/Algorithms	WeP3-17
P00679	EMG based Control of Wheel Chair	WeP3-18
P00681	Machine Learning Model for Determining Pet Health Condition	WeP1-8
P00682	Lidar-MOT: A 3D-Lidar multi-object segmentation tracker applicable to human-robot interaction	ThurD5-4
P00684	Ultrafast plasmonics: For the development of advanced spectroscopy	FrP2-11
P00693	Analysis of rule-based and shallow statistical models for COVID-19 cough detection for a preliminary diagnosis	WeC1-6