

نویسنده	عنوان مقاله	کد مقاله	session	ساعت ارائه	روز ارائه
Mohammad Bagher Sajjadi - Ali Anisi - Moosa Ayati	Artificial Potential Field-Based Obstacle Avoidance Integrated with a Dual-Loop GA-Optimized PID Feedback Control of a Mobile Robot	M4466	Session A1	10:30-12:30	November 12 th (Aban 21th)
Mohammadreza Baniardalani - Amirhosein Mansouri - Amirhossein Safdari	External Robotic System for Automating Manual Gear Shifting in Manual Transmission Cars	M5096	Session A1	10:30-12:30	November 12 th (Aban 21th)
Morteza Harati - Nima Hanari - Amir Aminzadeh Ghavifekr - Mina Salim	Discrete PID-Based Trajectory Tracking for Robotic Manipulators Using the Grasshopper Optimization Algorithm	M2263	Session A1	10:30-12:30	November 12 th (Aban 21th)
Ashkan Jelodar - Mohammad Olyai - Kevin Babakhanloo - Khalil Alipour - Bahram Tarvirdizadeh - Mohammad Ghamari	Koopman Operator-based Linearization for Formation Control of Wheeled Mobile Multi-Agent Systems	M8783	Session A1	10:30-12:30	November 12 th (Aban 21th)
Ashkan Jelodar - Kevin Babakhanloo - Mohammad Olyai - Khalil Alipour - Bahram Tarvirdizadeh - Mohammad Ghamari	Trajectory Tracking of a Car-Like Wheeled Mobile Robot via Koopman Operator and PSO-Tuned Model Predictive Control	M3477	Session A1	10:30-12:30	November 12 th (Aban 21th)
Gholamreza Dabiri - Khalil Alipour - Bahram Tarvirdizadeh - Majid Sorouri - Mohammad Ghamari	Dynamic Event-Triggered Bipartite Consensus for Nonlinear Systems Using a Fuzzy Observer	M6849	Session A2	10:30-12:30	November 12 th (Aban 21th)
Donya Sheikh Robati - Seyyed Sajjad Moosapour - Elham Bahrampour	Robust Power Tower Function Control for MEMS Gyroscopes	M4356	Session A2	10:30-12:30	November 12 th (Aban 21th)
Ali Godarzvand chegini - Shahin Mohammadi - Emad RezaeianFard	Digital PID Controller Implementation for DC Motor Speed Control	M6335	Session A2	10:30-12:30	November 12 th (Aban 21th)

Hossein Shahinzadeh - Hamed Nafisi - Amirafshin Zamani - Mahtab Bagheri - Farshad Ebrahimi - Saiedeh Mehrabani- Najafabadi	Resilient Robust Power System Stabilizer Design via LMI Pole Placement for Cyber-Physical Power Systems	M7806	Session A2	10:30- 12:30	November 12 th (Aban 21th)
Mohammad Saleh Rouhi - Roya Amjadifard	Optimal control based on reinforcement learning for a class of nonlinear singularly perturbed systems	M2613	Session A2	10:30- 12:30	November 12 th (Aban 21th)
لطفعلى مظفرى و انانى	کاربرد اتوماسیون پنوماتیک در طراحی و ساخت دستگاه خازن پنوماتیک قابل حمل	M4837	Session A3	10:30- 12:30	November 12 th (Aban 21th)
Masoumeh Azadegan - Alaleh Vafaei - Mahmoud Najafi	Observer Design for Bubble Dynamical Systems	M4497	Session A3	10:30- 12:30	November 12 th (Aban 21th)
Masoumeh Azadegan - Alaleh Vafaei	Integrating Vision and Robotics: Automated Object Localization and Fault Detection with a 6-DoF Manipulator	M1947	Session A3	10:30- 12:30	November 12 th (Aban 21th)
Saba Simanto - Ali Akbar Safavi	Enhancement and Implementation of Advanced Process Control Modules in Siemens DCS PCS7 for Domestic Industrial Applications	M8732	Session A3	10:30- 12:30	November 12 th (Aban 21th)
Ali Naseri Karimvand - Mehdi Shahbazian - Somayeh Soltanpour - Morteza Zadkarami	Detection of Small Leaks Using Fusion-Based Classifier for Imbalanced Data	M8861	Session A3	10:30- 12:30	November 12 th (Aban 21th)
Ehsan Badfar - Babak Tavassoli	A Comparative Study of 4G and 5G Impact on the Performance of Networked Control Systems	M3754	Session A3	10:30- 12:30	November 12 th (Aban 21th)
Keyvan Kazemi	Identification of Solar Panel Conditions Using Fully Decentralized Federated Learning	M3687	Session A4	10:30- 12:30	November 12 th (Aban 21th)
Mohammad Reza Ganji - Shiva Naghsh - Ali Akbar Safavi - Amir Sharafkhaneh	Predictive Potential of Nocturnal Sleep Data for Incident Atrial Fibrillation	M2487	Session A4	10:30- 12:30	November 12 th (Aban 21th)

Yaghuob Andalib Ghaleh Joghi - Masoumeh Azadegan	Condition Monitoring of Wind Turbine Generator Using Thermal Modeling and Machine Learning	M4444	Session A4	10:30- 12:30	November 12 th (Aban 21th)
؍Seyed Reza Hashemi Dogahe - Behzad Moshiri	Fault Detection in Induction Motors Using Thermal Images and Interpretable Machine Learning: An Approach Based on EfficientNet and Advanced Simulation Algorithms	M1934	Session A4	10:30- 12:30	November 12 th (Aban 21th)
Mahdi Pourkerman - Seyed Vahab Shojaedini	A Fast and Semi-Automatic Video Annotation Method Using Image Tracking for Deep Learning Training	M4569	Session A4	10:30- 12:30	November 12 th (Aban 21th)
Farnaz Fathi - Amin Karbin Ashtiani - Mohammad Reza Kamali Ardakani - Mahdi Pourgholi - Amir Hossein Fesahat - Mohammadreza Gholinia	Adaptive Fuzzy Control of Structures Using Slime Mould Optimization for Earthquake Vibration Reduction	M3128	Session A4	10:30- 12:30	November 12 th (Aban 21th)
Ali Godarzvand chegini - Mohammad Arabian - Mahdi Siavash	Design and Implementation of a ROS-Based Intelligent Surveillance System with Real-Time Facial Recognition and Data Logging	M3586	Session A5	14:00- 16:00	November 12 th (Aban 21th)
Samim Kamyab - Ghoncheh Zand - Masoud Shirzadeh	A Hybrid Inverse Reinforcement Learning and Deep Deterministic Policy Gradient Framework for Model-Free Control of Robotic Manipulators	M7303	Session A5	14:00- 16:00	November 12 th (Aban 21th)
Moosa Ayati - Radman Shahrjerdi - Alireza Kokabi Dezfuli - Amirhossein Moshki	An Android Controlled Tracked Robot with Integrated Smartphone Sensors	M3487	Session A5	14:00- 16:00	November 12 th (Aban 21th)
Mohammad Mehdi Sadeghi - Alireza Khayatian - Mohammad Hassan Asemani	Performance Recovery in Cooperative Robots Carrying Loads with Uncertainty	M7073	Session A5	14:00- 16:00	November 12 th (Aban 21th)

Niusha Tabrizi - Elahe Radmanesh - Behzad Moshiri	Optimal path planning of articulated robot based on sensor data fusion	M1310	Session A5	14:00-16:00	November 12 th (Aban 21th)
Hamed Soltani - Behzad Moshiri	Attention-Augmented BiLSTM with Ensemble Learning for Fault Diagnosis in Industrial Processes	M6328	Session A6	14:00-16:00	November 12 th (Aban 21th)
Mahdi Alinaghizadeh Ardestani - Nika Rahmani	Robust State-of-Health Estimation in Second-Life Li-Ion Batteries Using Ensemble Learning and Noise-Injected Training	M2583	Session A6	14:00-16:00	November 12 th (Aban 21th)
Majed Hamdi - Alireza Akoushideh - Asadollah Shahbahrami	Driver Drowsiness Detection via a Hybrid Deep Learning Model Based on YOLO and MobileNet	M3728	Session A6	14:00-16:00	November 12 th (Aban 21th)
Mohammadreza Gilak - Raziye Mehraban - Behzad Ahi - Mohammad Saleh Tavazoei	Model-free Inverse Optimal Control based on Dynamic Linearization	M3373	Session A6	14:00-16:00	November 12 th (Aban 21th)
Alireza Ahangarani Farahani - Mahdi Esmaili dashiri	Modeling and Supervisory Control Design of On Board Computer Based on Petri Nets Tool	M5645	Session A7	14:00-16:00	November 12 th (Aban 21th)
Mahdi Sadigh Dallali - Ali Khaki Sedigh	Robust Data-Driven QFT Synthesis in the Presence of High Uncertainty	M1879	Session A7	14:00-16:00	November 12 th (Aban 21th)
Mohammad Hadi Rezaei - Ali Abooe	Adaptive Average Consensus for Non-Affine Nonlinear Multi-Agent Systems under Balanced Directed Networks	M1203	Session A7	14:00-16:00	November 12 th (Aban 21th)
Javad Keighobadi - Seyyed Amirhossein Saadat	Robust Output Feedback Control of Uncertain Passive Torque Simulators: A Command-Filtered Learning Approach Without Internal State Measurement	M2156	Session A7	14:00-16:00	November 12 th (Aban 21th)
Abbas-Ali Zamani	A New SDP-Based Estimation Framework for Predicting Chaotic Time Series	M3443	Session A7	14:00-16:00	November 12 th (Aban 21th)

Matin Vesaltalab - Iman Zamani	Interval Type-2 Fuzzy SEIR Modeling of COVID-19 with Virus-Load-Driven Parameters and Control Measures	M6656	Session A7	14:00-16:00	November 12 th (Aban 21th)
Kaveh Hooshmandi	Robust Control Strategy for Quadrotor Landing in Dynamic Environments Using LPV-MPC	M1894	Session A8	14:00-16:00	November 12 th (Aban 21th)
Sajad Hosseini Fahraji - Mohammadreza Vazifeh ardalani	Tip-Over Stability Analysis and Overturning Angle Evaluation in a Dual-Arm Cooperative Mobile Robot	M6820	Session A8	14:00-16:00	November 12 th (Aban 21th)
Ali HosseiniLaqa - Osama Sadki	Robust Non-Singular Prescribed-Time Tracking Control with Disturbance Observer for a Robotic Arm	M3641	Session A8	14:00-16:00	November 12 th (Aban 21th)
Mahdi Asgharpour - Mohammad Arabian	Smart Retrofitting of Mechanical Water Meters Using Image Processing and IoT Approach	M5694	Session A8	14:00-16:00	November 12 th (Aban 21th)
Ali Taleb obud alisari - Shoorangiz Shams Shamsabad Farahani - Roohollah Barzamini - Mohammad Arabian	AI-BASED ROBUST LINEAR QUADRATIC REGULATOR CONTROLLER FOR QUADCOPTER SYSTEM	M8473	Session A8	14:00-16:00	November 12 th (Aban 21th)
Masoumeh Amini	ON/OFF Angle Tuning for Torque Maximization in a 6/4 Switched Reluctance Motor Using Newly Nature-Inspired Algorithms	M8188	Session A8	14:00-16:00	November 12 th (Aban 21th)
Elahe Safishahi - Ali Akbar Safavi - Pariya Khalili	Real-Time PV Power Forecasting Using LSTM-Attention, Transformer & XGBoost Hybrid model	M4853	Session A9	08:00-10:00	November 13 th (Aban 22th)
Beheshte Sadeghi Sabzevari	A Comparative Analysis of Machine Learning Approaches for Electricity Consumption Forecasting: Performance Evaluation, Failure Analysis, and Hybrid Model Development	M8558	Session A9	08:00-10:00	November 13 th (Aban 22th)

Alireza Jahani - Ali Mehrabi - S. Ahmad Khalilpour - Hamed Seyedi - Hamid D. Taghirad	FACTS : Feedback-Adaptive Learning for Cluster-Based Time Series Forecasting	M4546	Session A9	08:00-10:00	November 13 th (Aban 22th)
Elmira Aftabi - Shiva Naghsh - Ali akbar Safavi - Amir Sharafkhaneh	A Control-Oriented Index for Monitoring Sleep Apnea Severity Progression Using Longitudinal Oxygen Desaturation Changes	M3412	Session A9	08:00-10:00	November 13 th (Aban 22th)
Amir Mohammad Davatgar - Hamed Mojallali	Chaotic Energy Valley Optimization with application to parameter estimation of chaotic systems	M1751	Session A9	08:00-10:00	November 13 th (Aban 22th)
Mehran Derakhshannia - Yasaman Salmanpour - Seyyed Sajjad Moosapour	Preassigned-Time Dynamic Surface Control for Nonlinear Systems with Input Disturbances	M3827	Session A10	08:00-10:00	November 13 th (Aban 22th)
Mahdieh Samadi - Farshad Rahimi	Distributed Optimization and Adaptive Fuzzy Control of Cyber-Physical Vehicle Systems with Communication Delays	M3691	Session A10	08:00-10:00	November 13 th (Aban 22th)
Amir Hossein Mansouri - Younes Esmaeili - Mohammad Haeri	Observability-Driven Transceiver Design for Over-the-Air Control Systems	M1434	Session A10	08:00-10:00	November 13 th (Aban 22th)
Shahin Mohammadi - Mahdi Alinaghizadeh Ardestani	Design and Optimal Tuning of PID Controller for Path Tracking Systems of Autonomous Vehicles in FIRA Competition Environment	M3603	Session A10	08:00-10:00	November 13 th (Aban 22th)
Sina Molaei - Ali Doustmohammadi	A Comparative Investigation of Fractional Order PID and TID Controllers Optimized via NSGA-II for Load Frequency Control in a Two-Area System	M8195	Session A11	08:00-10:00	November 13 th (Aban 22th)
Mostafa Khavaninzadeh - Ramin Nahavandi - Mjtaba Moeti	A Model Reference Adaptive Control System for Phase- Locked Loop (PLL) in Grid-Connected Power Systems	M7304	Session A11	08:00-10:00	November 13 th (Aban 22th)

Pourya Shirinshahrakfard - Mehdi Jabareh Nasero - Mehrnegar Foratinejad	A Robust MRAC Method with σ -Modification for Buck Converters in Hybrid Energy Storage Systems	M8041	Session A11	08:00-10:00	November 13 th (Aban 22th)
Hossein Jamshidi - Mohammad Hassan Janfeshan - Danesh Sadati - Ali Akbar Safavi	Design and Implementation of a Virtual and Remote Laboratory for Teaching Pneumatics Using a Cloud PLC	M8331	Session A11	08:00-10:00	November 13 th (Aban 22th)
روح الله روحانی	بررسی رفتار شبکه توزیع برق در برابر وقوع رویدادهای مختلف: مطالعه موردی از نحوه تشخیص "به همراه فرمانهای اتوماسیون قابل اجرا" جهت حفاظت از تجهیزات شبکه و مصرف کنندگان در یک پست توزیع 20/0.4 kV با اتصال ستاره زیگراگ	M3244	Session A11	08:00-10:00	November 13 th (Aban 22th)
Mahdi Rezaei Bahrmmand - Hamid Khaloozadeh	Multi-Derivative Portfolio Management with Data-Driven Nonlinear Stochastic Control Policies in Retail Energy Markets	M3070	Session A12	08:00-10:00	November 13 th (Aban 22th)
Nasim Haghi - Mina Salim - Amir Rikhtegar Ghiyasi - Amir A. Ghavifekr	CFDL-Based Model-Free Adaptive Control for Nonlinear Discrete-Time MIMO Two-Tank Systems	M3955	Session A12	08:00-10:00	November 13 th (Aban 22th)
Hossein Hassanzadeh Yaghini - Hamed Kharrati	Offset-Free Reference Tracking Of Fractional-Order Systems Using Fractional-Order Model Predictive Control	M7238	Session A12	08:00-10:00	November 13 th (Aban 22th)
Saman Pirehbabi - Mohammad Amin Kouhzadi Hikoei - Roghayeh Gavagsaz-Ghoachani - Matheepot Phattanasak	An Approach to Teaching Engineering Software Based on Aspirations and Semantic Metaphors	M2040	Session A12	08:00-10:00	November 13 th (Aban 22th)
Sina Pirehbabi - Hadi Azmi	LPV Approximation of the Nonlinear Four-Tank System and LPV-LQR Controller Design with LPV Integral Control for Reference Tracking	M7503	Session A12	08:00-10:00	November 13 th (Aban 22th)

Amirhossein Mashghdoust - Mohammad Reza Kamali Ardakani - Mahdi Pourgholi - Sajjad Rezvani Khaledi	Intelligent Control Strategies for Precise AUV Depth Regulation	M2982	Session A12	08:00- 10:00	November 13th(Aban 22th)
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