D.	Special session name Computational Collective Intelligence
Paper ID #1897	Paper Title Local and Global Consensus in Asynchronous Group Communications
#1927	A Method for Ontology based User Profile Adaptation in Personalized Document Retrieval Systems
#2353 #2453	Academic event recommendation based on similarity research and exploring interaction of authors Bisimilarity for Paraconsistent Description Logics
#2499	An Approach to Machine Classification Based on Stacked Generalization and Instance Selection
	Granular Computing (I)
Paper ID #1212	Paper Title Ant Colony Optimization Solutions for Logistic Route Planning with Pick-up and Delivery
#1368	WUN-MINER: A NEW METHOD FOR MINING FREQUENT WEIGHTED UTILITY ITEMSETS
#1453 #1456	A Competitive QUasi-Affine TRansformation Evolutionary (C-QUATRE) Algorithm for Global Optimization Application of Granular Computing and Three-way decisions to Analysis of Competing Hypotheses
#1521	Parallel Coral Reef Algorithm for Solving JSP on Spark
	Granular Computing (II)
Paper ID #1738	Paper Title Communication Scheduling Scheme Based on Big-Data Regression Analysis and Genetic Algorithm for Cyber-Physical Factory Automation
#1900	Efficient Mining of Short Periodic High-Utility Itemsets
#2138 #2395	A Novel method for stock prediction by using relationship between various stock prices fluctuation Construction of Linguistic Variables in Information Table based on Rule Induction and Concept Hierarchy
#1113	DSS: A biclustering method to identify diverse and state specific gene modules in gene expression data
	Intelligent Internet Systems (I)
Paper ID #1371	Paper Title Fuzzy-Based Indoor Zone Positioning System in Wireless Sensor Networks
#1599	Action Classification Using Data Mining and Paris of SURF-Based Trajectories
#1669 #1703	A Compact Self-Decoupling Dual Band MIMO Antenna Design of a secure medical data sharing system via an authorized mechanism
#1875	Selecting the Best Model of Particle Swarm Optimization Based on the Previous Performance
	Intelligent Internet Systems (I)
Paper ID #1913	Paper Title On Design of A Dynamic Carpooling System Based on Vehicle Information Shared Through the VANET
#1917	Optical Transceiver with Deficit Round Robin and RS232 Interface for Synchronous Optical Networking
#1940 #2012	SmartCam to see through darkness Research on Affinity Propagation Algorithm Based on Common Neighborhood
#2029	Performance of Frequency Resource Assignment Schemes for Cognitive Radio Based Cooperative Communication Systems
	Soft Computing (I)
Paper ID #1082	Paper Title Principal Component Selection of Machine Learning Algorithms Based on Orthogonal Transformation by Using Interactive Evolutionary Computation
#1112	Improving Gene Expression Programming using Diversity Preservation Tournament and Its Application in Grid Cell Modeling
#1229 #1348	Sliding Mode Control for State Delayed Systems subject to Persistent Disturbance DBM vs ELM: A Study on Effective Training of Compact MLP
#1377	Electricity Load Demand Time Series Forecasting with Empirical Mode Decomposition based Random Vector Functional Link Network
	Soft Computing (II)
Paper ID #1564	Paper Title Improvement of MF-ARTMAP Classification Accuracy Using Simulated Annealing
#1707	How to Transform Partial Order Between Degrees into Numerical Values
#1714 #1727	Fuzzy-Inspired Hierarchical Version of the von Neumann-Morgenstern Solutions as a Natural Way to Resolve Collaboration-Related Conflicts Advanced Fuzzy Possibilistic C-means Clustering Based on Granular Computing
#1877	The Imaginary Particle Swarm Optimizer for Dynamic Maximum Power Point Tracking
	Soft Computing (III)
Paper ID #2382	Paper Title Timed-Fuzzy Cognitive Maps: An overview
#1469	Particle Swarm Optimization applied to Relational Data Clustering
#2292 #1587	Image-based Nutrition Composition Analysis with a Local Orientation Descriptor A Novel Particle Swarm Optimization Algorithm for Non-Separable and Ill-Conditioned Problems
#1991	EigenAnt assisted IACOR for continuous global optimization
	Human Centered Transportation Systems (I)
Paper ID #1200	Paper Title Study on Relation between Operator and Trainee's Mental Workload for Ship Maneuvering Simulator Exercise Using Heart Rate Variability
#1231	Evaluation of Mixed Culture Bridge Teammates??Mental Workload Using Heart Rate Variability: Simulator-based Ship Handling
#1240 #1400	Development of actual ship experiment system for developing automatic pier docking system Operation Support System for Water Transit Service
#1405	Feasibility Study for Telexistence on a Ship - Measurement of Delay Time of Satellite Communication -
	Human Centered Transportation Systems (II)
Paper ID	Paper Title Finds adding Explicit Departments in a Cycle of Physical Elements in Took Models
#1545 #1611	Embedding Explicit Representation of Cyber-Physical Elements in Task Models Operational assistance system for obstacle collision avoidance and load sway suppression in overhead traveling crane
#2268 #2383	Providing safe and affordable transportation service for female passengers: A case study on college girls in rural Bangladesh Navigation in Human-Robot and Robot-Robot Interaction using Optimization Methods
#2445	Two Meta-heuristics to Solve a Coordinated Air Transportation and Production Scheduling Problem with Time Windows for the Due Date
	Interactive and Wearable Computing and Devices
Paper ID	Paper Title
#1174 #2336	CanoeSense: Monitoring Canoe Sprint Motion using Wearable Body Sensor Networks A Comparison of Wearable and Stationary Sensors for Stress Detection
#1268	A Sensor to Acquire the Relative Movement between Residual Limb and Prosthetic Socket
#2100 #1117	Collaborative Classification for Daily Activity Recognition with a Smartwatch Object-alignment performance in a head-mounted display versus a monitor
	Collaborative Wireless Sensor Networks and Internet of Things
Paper ID	Paper Title
#1997 #2020	Edge enabled development of Smart Cyber-Physical Environments Mitigating Sensor Differences for Phone-based Human Activity Recognition
#2123	Big IoT data mining for real-time energy disaggregation in buildings
#2373 #1996	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization
#2373	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization
#2373 #1996 Paper ID	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization Shared Control (I) Paper Title
#2373 #1996	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization Shared Control (I)
#2373 #1996 Paper ID #1062 #1154 #1183	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization Shared Control (I) Paper Title A Trouble Shared Is a Trouble Halved ??Usability Measures for Human-Robot Collaboration Analysis of Human-Machine Cooperation When Driving with Different Reliabilities of Shared Control Systems A Shared Control in Risk Predictive Braking Manoeuvre for Preventing Collision with Pedestrian
#2373 #1996 Paper ID #1062 #1154	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization Shared Control (I) Paper Title A Trouble Shared Is a Trouble Halved ??Usability Measures for Human-Robot Collaboration Analysis of Human-Machine Cooperation When Driving with Different Reliabilities of Shared Control Systems
#2373 #1996 Paper ID #1062 #1154 #1183 #1283	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization Shared Control (I) Paper Title A Trouble Shared Is a Trouble Halved ??Usability Measures for Human-Robot Collaboration Analysis of Human-Machine Cooperation When Driving with Different Reliabilities of Shared Control Systems A Shared Control in Risk Predictive Braking Manoeuvre for Preventing Collision with Pedestrian Towards adaptability of levels of automation with Human-Machine cooperation approach Evaluation of Haptic Support System for Training Purposes in a Tracking Task
#2373 #1996 Paper ID #1062 #1154 #1183 #1283 #1600	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization Shared Control (I) Paper Title A Trouble Shared Is a Trouble Halved ??Usability Measures for Human-Robot Collaboration Analysis of Human-Machine Cooperation When Driving with Different Reliabilities of Shared Control Systems A Shared Control in Risk Predictive Braking Manoeuvre for Preventing Collision with Pedestrian Towards adaptability of levels of automation with Human-Machine cooperation approach Evaluation of Haptic Support System for Training Purposes in a Tracking Task Shared Control (II) Paper Title
#2373 #1996 Paper ID #1062 #1154 #1183 #1283 #1600 Paper ID #1715	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization Shared Control (I) Paper Title A Trouble Shared Is a Trouble Halved ??Usability Measures for Human-Robot Collaboration Analysis of Human-Machine Cooperation When Driving with Different Reliabilities of Shared Control Systems A Shared Control in Risk Predictive Braking Manoeuvre for Preventing Collision with Pedestrian Towards adaptability of levels of automation with Human-Machine cooperation approach Evaluation of Haptic Support System for Training Purposes in a Tracking Task Shared Control (II) Paper Title Driver's trust in automated driving when sharing of spatial awareness
#2373 #1996 Paper ID #1062 #1154 #1183 #1283 #1600 Paper ID #1715 #1757 #1932	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization Shared Control (I) Paper Title A Trouble Shared Is a Trouble Halved ??Usability Measures for Human-Robot Collaboration Analysis of Human-Machine Cooperation When Driving with Different Reliabilities of Shared Control Systems A Shared Control in Risk Predictive Braking Manoeuvre for Preventing Collision with Pedestrian Towards adaptability of levels of automation with Human-Machine cooperation approach Evaluation of Haptic Support System for Training Purposes in a Tracking Task Shared Control (II) Paper Title Driver's trust in automated driving when sharing of spatial awareness Authority Transfer Method from Automated to Manual Driving via Haptic Shared Control Using Learning from Demonstration to Generate Real-time Guidance for Haptic Shared Control
#2373 #1996 Paper ID #1062 #1154 #1183 #1283 #1600 Paper ID #1715 #1757	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization Shared Control (I) Paper Title A Trouble Shared Is a Trouble Halved ??Usability Measures for Human-Robot Collaboration Analysis of Human-Machine Cooperation When Driving with Different Reliabilities of Shared Control Systems A Shared Control in Risk Predictive Braking Manoeuvre for Preventing Collision with Pedestrian Towards adaptability of levels of automation with Human-Machine cooperation approach Evaluation of Haptic Support System for Training Purposes in a Tracking Task Shared Control (II) Paper Title Driver's trust in automated driving when sharing of spatial awareness Authority Transfer Method from Automated to Manual Driving via Haptic Shared Control Using Learning from Demonstration to Generate Real-time Guidance for Haptic Shared Control A Multiple-Input Single-Output Model for Human Force Perception in Pedaling
#2373 #1996 Paper ID #1062 #1154 #1183 #1283 #1600 Paper ID #1715 #1757 #1932 #1983	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization Shared Control (I) Paper Title A Trouble Shared Is a Trouble Halved ??Usability Measures for Human-Robot Collaboration Analysis of Human-Machine Cooperation When Driving with Different Reliabilities of Shared Control Systems A Shared Control in Risk Predictive Braking Manoeuvre for Preventing Collision with Pedestrian Towards adaptability of levels of automation with Human-Machine cooperation approach Evaluation of Haptic Support System for Training Purposes in a Tracking Task Shared Control (II) Paper Title Driver's trust in automated driving when sharing of spatial awareness Authority Transfer Method from Automated to Manual Driving via Haptic Shared Control Using Learning from Demonstration to Generate Real-time Guidance for Haptic Shared Control A Multiple-Input Single-Output Model for Human Force Perception in Pedaling Shared automation of lane change for avoiding forward obstacle
#2373 #1996 Paper ID #1062 #1154 #1183 #1283 #1600 Paper ID #1715 #1757 #1932 #1983	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization Shared Control (I) Paper Title A Trouble Shared Is a Trouble Halved ??Usability Measures for Human-Robot Collaboration Analysis of Human-Machine Cooperation When Driving with Different Reliabilities of Shared Control Systems A Shared Control in Risk Predictive Braking Manoeuvre for Preventing Collision with Pedestrian Towards adaptability of levels of automation with Human-Machine cooperation approach Evaluation of Haptic Support System for Training Purposes in a Tracking Task Shared Control (II) Paper Title Driver's trust in automated driving when sharing of spatial awareness Authority Transfer Method from Automated to Manual Driving via Haptic Shared Control Using Learning from Demonstration to Generate Real-time Guidance for Haptic Shared Control A Multiple-Input Single-Output Model for Human Force Perception in Pedaling
#2373 #1996 Paper ID #1062 #1154 #1183 #1283 #1600 Paper ID #1715 #1757 #1932 #1983 #2130 Paper ID #1081	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization Shared Control (I) Paper Title A Trouble Shared Is a Trouble Halved ??Usability Measures for Human-Robot Collaboration Analysis of Human-Machine Cooperation When Driving with Different Reliabilities of Shared Control Systems A Shared Control in Risk Predictive Braking Manoeuvre for Preventing Collision with Pedestrian Towards adaptability of levels of automation with Human-Machine cooperation approach Evaluation of Haptic Support System for Training Purposes in a Tracking Task Shared Control (II) Paper Title Driver's trust in automated driving when sharing of spatial awareness Authority Transfer Method from Automated to Manual Driving via Haptic Shared Control Using Learning from Demonstration to Generate Real-time Guidance for Haptic Shared Control A Multiple-Input Single-Output Model for Human Force Perception in Pedaling Shared automation of lane change for avoiding forward obstacle Conflict Resolution (I) Paper Title An efficiency-adjusted fair mechanism for house allocation problem with existing tenants
#2373 #1996 Paper ID #1062 #1154 #1183 #1283 #1600 Paper ID #1715 #1757 #1932 #1983 #2130	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization Shared Control (I) Paper Title A Trouble Shared Is a Trouble Halved ??Usability Measures for Human-Robot Collaboration Analysis of Human-Machine Cooperation When Driving with Different Reliabilities of Shared Control Systems A Shared Control in Risk Predictive Braking Manoeuvre for Preventing Collision with Pedestrian Towards adaptability of levels of automation with Human-Machine cooperation approach Evaluation of Haptic Support System for Training Purposes in a Tracking Task Shared Control (II) Paper Title Driver's trust in automated driving when sharing of spatial awareness Authority Transfer Method from Automated to Manual Driving via Haptic Shared Control Using Learning from Demonstration to Generate Real-time Guidance for Haptic Shared Control A Multiple-Input Single-Output Model for Human Force Perception in Pedaling Shared automation of lane change for avoiding forward obstacle Conflict Resolution (I) Paper Title
#2373 #1996 Paper ID #1062 #1154 #1183 #1283 #1600 Paper ID #1715 #1757 #1932 #1983 #2130 Paper ID #1081 #1092 #1473 #1479	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization Shared Control (I) Paper Title A Trouble Shared Is a Trouble Halved ??Usability Measures for Human-Robot Collaboration Analysis of Human-Machine Cooperation When Driving with Different Reliabilities of Shared Control Systems A Shared Control in Risk Predictive Braking Manoeuvre for Preventing Collision with Pedestrian Towards adaptability of levels of automation with Human-Machine cooperation approach Evaluation of Haptic Support System for Training Purposes in a Tracking Task Shared Control (II) Paper Title Driver's trust in automated driving when sharing of spatial awareness Authority Transfer Method from Automated to Manual Driving via Haptic Shared Control Using Learning from Demonstration to Generate Real-time Guidance for Haptic Shared Control A Multiple-Input Single-Output Model for Human Force Perception in Pedaling Shared automation of lane change for avoiding forward obstacle Conflict Resolution (I) Paper Title An efficiency-adjusted fair mechanism for house allocation problem with existing tenants Misperception in Nationalization of the Suez Canal Belief Preference in Graph Model for Conflict Resolution with Two Decision-Makers Automated Extraction of a Game Model using Natural Language Processing: National Strategies of the Asian Infrastructure Investment Bank
#2373 #1996 Paper ID #1062 #1154 #1183 #1283 #1600 Paper ID #1715 #1757 #1932 #1983 #2130 Paper ID #1081 #1092 #1473	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization Shared Control (I) Paper Title A Trouble Shared Is a Trouble Halved ??Usability Measures for Human-Robot Collaboration Analysis of Human-Machine Cooperation When Driving with Different Reliabilities of Shared Control Systems A Shared Control in Risk Predictive Braking Manocuvre for Preventing Collision with Pedestrian Towards adaptability of levels of automation with Human-Machine cooperation approach Evaluation of Haptic Support System for Training Purposes in a Tracking Task Shared Control (II) Paper Title Driver's trust in automated driving when sharing of spatial awareness Authority Transfer Method from Automated to Manual Driving via Haptic Shared Control Using Learning from Demonstration to Generate Real-time Guidance for Haptic Shared Control A Multiple-Input Single-Output Model for Human Force Perception in Pedaling Shared automation of lane change for avoiding forward obstacle Conflict Resolution (I) Paper Title An efficiency-adjusted fair mechanism for house allocation problem with existing tenants Misperception in Nationalization of the Suez Canal Belief Preference in Graph Model for Conflict Resolution with Two Decision-Makers Automated Extraction of a Game Model using Natural Language Processing: National Strategies of the Asian Infrastructure Investment Bank Trade and Disaster Risk Sharing in Open Economy Model
#2373 #1996 Paper ID #1062 #1154 #1183 #1283 #1600 Paper ID #1715 #1757 #1932 #1983 #2130 Paper ID #1081 #1092 #1473 #1479	Design and Implementation of a Gateway for Pervasive Smart Environments An Embedding Approach for Context-Aware Collaborative Recommendation and Visualization Shared Control (I) Paper Title A Trouble Shared Is a Trouble Halved ??Usability Measures for Human-Robot Collaboration Analysis of Human-Machine Cooperation When Driving with Different Reliabilities of Shared Control Systems A Shared Control in Risk Predictive Braking Manoeuvre for Preventing Collision with Pedestrian Towards adaptability of levels of automation with Human-Machine cooperation approach Evaluation of Haptic Support System for Training Purposes in a Tracking Task Shared Control (II) Paper Title Driver's trust in automated driving when sharing of spatial awareness Authority Transfer Method from Automated to Manual Driving via Haptic Shared Control Using Learning from Demonstration to Generate Real-time Guidance for Haptic Shared Control A Multiple-Input Single-Output Model for Human Force Perception in Pedaling Shared automation of lane change for avoiding forward obstacle Conflict Resolution (I) Paper Title An efficiency-adjusted fair mechanism for house allocation problem with existing tenants Misperception in Nationalization of the Suez Canal Belief Preference in Graph Model for Conflict Resolution with Two Decision-Makers Automated Extraction of a Game Model using Natural Language Processing: National Strategies of the Asian Infrastructure Investment Bank

#2053 #2263 #2337	Composition and Stability Concepts in the Graph Model for Conflict Resolution Empirical Analysis of the Reference Point Effect in Residential Choices under the Risk of Slope Disasters Strategic Analysis of the European Gas Crisis
	Intelligent Learning in Control Systems (I)
Paper ID	Paper Title
#1118 #1143	Implementation of Odometry with EKF for Localization of Hector SLAM Method Intelligent Sliding-Mode Formation Control for Uncertain Networked Heterogeneous Mecanum-Wheeled Omnidirectional Platforms
#1356 #1412	Maximum Power Point Tracking of Photovoltaic Generation Systems under Partial Shaded Conditions A Bayesian Network Based Method for Activity Prediction in a Smart Home System
#1696	3-D Model Reconstruction from C-arm Images
	Intelligent Learning in Control Systems (II)
Paper ID #1902	Paper Title PSO and Neural Network based Intelligent Posture Calibration Method for Robot Arm
#1809	Hierarchical Data-Driven Model-Free Iterative Learning Control Using Primitives
#1966 #1251	Trend Classification Based Weather Forecast Actuated Green Wave Control for Grid-like Network Traffic Signal Coordination
#1163	Tracking of A Random Target by Circular Pattern of Mobile Agents With A Leader
Paper ID	Logistics Informatics and Knowledge Acquisition in Intelligent
#1125	Paper Title Dual Sourcing Problem with Real Option
#2104 #2245	An Efficient and Effective Method to Find Uninteresting Items for Accurate Collaborative Filtering Collaborative Image Triage with Humans and Computer Vision
#1899 #1258	Numerical Analysis of the Transportation Efficiency in a Network Considering Route Choice Trajectory Optimization with Memetic Algorithms: Time-to-Torque Minimization of Turbocharged Engines
#1236	
Paper ID	Medical Mechatronics (I) Paper Title
#1408 #1518	Joint Angle Estimation using the Distribution of the Muscle Bulge on the Forearm Skin Surface of an Upper Limb Amputee Integration of Visual Feedback System and Motor Current Based Gait Rehabilitation Robot for Motor Recovery
#1594	The Use of Deep Learning and Mean Shift to Learn Global and Local Processing in Human Visual Perception
#1807 #1810	Decoupled PID Control with Gain Adaptation for a Cycling Dynamic Knee Rig Adaptive Sliding Mode Control of a Lower-limb Exoskeleton Rehabilitation Robot
ı	Medical Mechatronics (II)
Paper ID #2030	Paper Title An Accelerometer-based Festinating Gait Detection Algorithm and Its Application to Parkinson? Disease Development
#2030 #1695	Relation between Magnitude of Applied Torque during Pre-Swing Phase and Toe Clearance Change to Prevent Trip of Elderly People
#1053 #1652	A Medication Adherence Monitoring System for People with Dementia Cognitive Workload in Conventional Direct Control vs. Pattern Recognition Control of an Upper-limb Prosthesis
#1130	Evidence of Usability: Evaluation of Burn ICU Clinician Decision Support
	Intelligent Media and New-Generation Software
Paper ID #1151	Paper Title A Study on an Emotion Estimation of Narratives Using Cognitive Appraisals of the Reader
#1222 #1260	The Effect of Education and Learning Using Note-Taking Application Discovering Inductive Theorems Using Rewriting Induction
#1436	Distance Based Multiple Swarms Formation Method in Particle Swarm Optimization
#2273	System for Game Enhancement using Scene Recognition in Emulated Consoles
Paper ID	Distributed Adaptive Systems Paper Title
#1265 #1562	A Visualization Tool for Adaptive Collaboration Evolutionary Strategies for Novelty-Based Online Neuroevolution in Swarm Robotics
#1832	An Evaluation Method for Self-Adaptive Systems
#1920 #2216	Group Role Assignment Based on Multi-Criteria in Collaboration System Adaptive Workload Distribution for Local and Remote Clouds
ı	Distributed Adaptive Systems and Biometric systems
Paper ID	Paper Title
#2470 #1484	Simulating Tolerance: A Collective Behavior Observed in Dynamic Social Networks Applications of the Viable System Model in Automotive and Battery Storage Systems
#1853 #2103	Part-Based Representation and Classification for Face Recognition Smartphone Enabled Person Authentication Based on Ear Biometrics and Arm Gesture
#2328	GRiD: Gathering Rich Data from PubMed using One-class SVM
De ses ID	Discrete Event and Hybrid Systems
Paper ID #1109	Paper Title Analysis and Control of Wafer Delays in a Dual-armed Cluster Tools for a K-Cyclic Schedule
#1717 #1871	Place Invariant Simplification in Optimal Supervisor Synthesis for FMS Modeling Cyber Attacks by Stochastic Games and Timed Petri Nets
#1304 #1407	A Petri Net Based Methodology for Modelling, Analysis, Demand Forecast and Optimal Planning of Batch Production Systems Modeling and Control of Urban Expressways with Emergency using Hybrid Petri Nets
ı	Grey System Theory and Application (I)
Paper ID	Paper Title
#1034 #1067	A new decision model to solve the clustering dilemma The model TMGM(1,N) based on the development trend of multiple driving variables and its application
#1203 #1269	The Application of Grey-Incidence Decision Making In the Analysis of Brownfield Redevelopment Project Universities-industry collaboration (UIC) partner selection based on Grey Fuzzy Evaluation
#1563	Rough approximation model based on grey dominance relation
Donor ID	Grey System Theory and Application (II)
Paper ID #1783	Paper Title A novel grey nearness incidence model for visual inspection on composite materials subjected to low-velocity impact damage
#1881 #1480	A Study on the Assessment of Power System Security Risk based on Grey Clustering and Maximum Entropy Theory An Improved Prediction Model for Interval Grey Number
#2311 #2457	Grey Relational Analysis Based on Velocity and Acceleration and its Application on Research An Evolutionary Optimization based Interval Type-2 Fuzzy Classification System for Human Behaviour Recognition and Summarisation
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Paper ID	Grey System Theory and Application (III) Paper Title
#2406 #1108	R-Fuzzy Sets and Grey System Theory A Study on the Equilibrium of Regional Industrial Spatial Distribution based on Grey Prediction Model
#1036 #1443	Surface Vibration Displacement Prediction based on a Non-equidistant Grey Model Study on Spatial Correlation Mechanism of Industries between Different Major Functional Areas Based on Grey Target Theory
#1475	Fuzzy Zoning: A Lagrangean Relaxation Approach
	Matrix Analysis and Feature Learning for Multimedia Understanding (I)
Paper ID #1115	Paper Title Data-driven Facial Animation via Hypergraph Learning
#1292 #1401	Distributed Graph Regularized Non-negative Matrix Factorization with Greedy Coordinate Descent Photo Aesthetic Quality Assessment via Label Distribution Learning
#1560 #2468	Multi-Organ Plant Identification With Multi-Column Deep Convolutional Neural Networks Class Specific Dictionary Learning based Kernel Collaborative Representation for Fine-grained Image Classification
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Paper ID	Matrix Analysis and Feature Learning for Multimedia Understanding (II) Paper Title
#2135 #1693	Configurable Privacy Management for Secure Video Surveillance in Energy-constrained Systems A Three Level Adaptive Video Streaming Framework Over LTE
#1579 #1942	Personalizing Information Retrieval: a New Model for User Preferences Elicitation Camera-based document image spotting system for complex linguistic maps
#1942 #1369	Optimized Per-Joint Compression of Hand Motion Data
	Computational Awareness (I)
Paper ID #1216	Paper Title Time series processing at the age of big data: any change of paradigm?
#1349 #1358	Brain Source Separation for Motor Imagery Classification Using Tensor Decomposition Guide Data Generation for On-Line Learning of DBM-Initialized MLP
#1362	Location Awareness Based on Infrared Sensor Array
#1632	Measuring computational awareness in contextual neural networks
Paper ID	Computational Awareness (II) Paper Title

#2018 #2019	Analysis of Data Distribution to Classify Data Based on Taxonomy Hierarchy An afficient algorithm for inacherent analysis dictionary learning based on province learning.
#2019	An efficient algorithm for incoherent analysis dictionary learning based on proximal operator Modified SA-based Household Reconstruction from Statistics for Agent-Based Social Simulations
#2045 #2069	Automatic Detection of Driver's Awareness with Cognitive Task from Driving Behavior Incorporating Awareness in Expert Systems - Learning from Expert's Selective Attention and Perception
Paper ID	Computational Awareness (III) Paper Title
#2260 #1733	Modeling Learning and Strategy Formation as Phase Transitions in Cortical Networks Music Emotion Recognition using Chord Progressions
#1734	Automated Music Video Generation Using Emotion Synchronization
#1576 #2396	Applying connectivism? Does the connectivity of concepts make a difference for learning and assessment? A Pareto Optimal Solution Visualization Method using SOM-NG with Learning Parameter Optimization
	Cybermatics for Cyber-enabled Worlds (I)
Paper ID #1071	Paper Title A Kinect-Based System for Promoting Healthier Living at Home
#1184	A State-Prediction-based Control Strategy for UAVs in Cyber-Physical Systems
#1185 #1343	Workflow Fragments of Layer Hierarchy Detection and Recommendation Growth Scheduling and Processing in Cyber-I Modeling
#1427	STLF: Spatial-Temporal-Logical knowledge representation and object mapping Framework
D ID	Cybermatics for Cyber-enabled Worlds (II)
Paper ID #1540	Paper Title Distributed Embedded Deep Learning based Real-time Video Processing
#1849 #1867	The Design and Implementation of a Kinect-Based Framework for Selective Human Activity Tracking Programmable matter as a cyber-physical conjugation
#1396	Active Bayesian Observer Correcting Overconfidence Effects Due to E-type Confirmatory Bias
#2472	The Evolution of Ethnic Cultural Industry Towards a Cyberspace: A Perspective of Generalized Ecosystem
Paper ID	Better Artificial Intelligence Methods for Bigger Data Mining (I) Paper Title
#1959 #1753	A Novel Approach to Generating an Interval Type-2 Fuzzy Neural Network Based on a Well-Behaving Type-1 Fuzzy TSK System Spreading Fuzzy Random Forests with MapReduce
#1955	Genetic-Fuzzy Mining with MapReduce
#1968 #2126	An Instance Selection Framework for Mining Data Streams to Predict Antibody-Feature Function Relationships on RV144 HIV Vaccine Recipients A Supervised Feature Selection Framework in relation to Prediction of Antibody Feature-Function Activity Relationships in RV144 Vaccines
	Better Artificial Intelligence Methods for Bigger Data Mining (II)
Paper ID	Paper Title
#2150 #1170	prediction of splice site using AdaBoost with a new sequence encoding approach A Proposal of Hierarchical Vertex Clustering Based on the Gosper Curve
#1458 #1631	Dimensionality Reduction-Based Diagnosis of Bearing Defects in Induction Motors Topological Analysis of Ancient Glyphs
#1533	Associative Search through Formal Concept Analysis in Criminal Intelligence Analysis
	Machine Learning with Big Data
Paper ID #1767	Paper Title Deep Neural Networks with Pseudoinverse Learning Algorithm and its Application to Astronomical Spectral Data
#1865	An Approach to Sample Selection from Big Data for Classification
#1644 #2288	HMSNN: Hippocampus inspired Memory Spiking Neural Network Approach to Integrate Episodic Memory into Cogency-based Behavior Planner for Robots
#2085	Cogent Confabulation-based Hierarchical Behavior Planner for Task Performance
Donor ID	Innovative Computational Intelligence, Learning Representation of Data, and Industrial Applications
Paper ID #1344	Paper Title An Adaptive Learning Method of Restricted Boltzmann Machine by Neuron Generation and Annihilation Algorith
#1365 #1685	Particle Swarm Optimization Using Clustering Time Series Classification using MACD-Histogram-based SAX and Its Performance Evaluation
#1769	Objective Measurement for Satisfaction Values to Sightseeing Spots and Route Recommendation System
#1973	Deterministic Geometric Semantic Genetic Programming with Optimal Mate Selection
Paper ID	Machine Learning Paper Title
#2099 #1442	An Online Universal Classifier for Binary, Multi-class and Multi-label Classification A New Faster First Order Iterative Scheme for Sparsity-based Multitask Learning
#1728	Intelligent Team Navigation and Coordination for Undersea Environments
#2291 #2419	Semantic Text Classification with Tensor Space Model-based Naïve Bayes Intelligent Anticipatory Agents for Changing Environments
	Pattern Recognition and Image Processing (I)
Paper ID	Paper Title
#2137 #1305	Detecting Korean Characters in Natural Scenes by Alphabet Detection and Agglomerative Character Construction A New Method for Blood Smear Good Working Area Identification Based on Hough Transform
#2330 #2374	Laser Stripe Model for Sub-Pixel Peak Detection in Real-Time 3D Scanning Deep Convolution Neural Network with Stacks of Multi-scale Convolutional Layer Block using Triplet of Faces for Face Recognition in the Wild
#1713	Objective Quality Assessment of Image Retargeting Based on Line Distortion
	Pattern Recognition and Image Processing (II)
Paper ID #1099	Paper Title Effective Subpixel Edge Detection for LED Probes
#1556 #1708	Improved ADMM based TV minimized Image Deblurring Without Boundary Artifacts Rotation-Invariance Can Further Improve State-of-the-Art Blind Deconvolution Techniques
#1072	Phase Congruency Based Edge Saliency Detection and Rate Control for Perceptual Image and Video Coding
#1912	Discriminant Dictionary Learning with Sparse Embedding on Face Recognition
Paper ID	Pattern Recognition and Image Processing (III) Paper Title
#2372	A hybrid simplified swarm optimization for neural network training to forecast stock price
#2332 #1777	Extended Salient Fisher Vector Encoding for Person Re-identification An Adaptation Module with Growing and Adjustment RBFNN using a Long-Term Memory
#1218	Automatic selection of relevant features using Rough Set Theory for real-time situation recognition based on fuzzy SOM-based CBR
#1155	Super Resolution Image Reconstruction and Imaging Device
Paper ID	Pattern Recognition and Image Processing (IV) Paper Title
#1146 #1272	Road Curve Fitting by Multi-resolution Analysis Local One-dimensional Embedding Interpolation for Hyperspectral Image Classification
#1682	Improving Unbalanced Downsampling via Maximum Spanning Trees for Graph Signals
#2040 #2301	Face Reconstruction from Skull Based on Least Squares Canonical Dependency Analysis An Efficient CUDA-based Approximate Two-Dimensional Dynamic Programming Algorithm for Advanced Computer Vision Applications
	Pattern Recognition and Image Processing (V)
Paper ID	Paper Title
#1003 #2306	Describing Body-Pose Feature - Poselet - Activity Relationship Using Pachinko Allocation Model Image Guided Fuzzy Clustering for Image Segmentation
#1846 #2355	American Sign Language Recognition System by Using Surface EMG Signal Fuzzy Indexed Color descriptor for Image Retrieval
#1399	A Fast Multi-scale Decomposition based Tone Mapping Algorithm for High Dynamic Range Images
	Medical Imaging Analytics and Systems Solutions (I)
Paper ID #1037	Paper Title A FEATURE-PRESERVING MESH DENOISING FILTER FOR 3-D PRINTERS
#1175	Comparison of Several Speckle Reduction Techniques for 3D Ultrasound Images
#1654 #1745	A Versitile Edge Preserving Image Enhancement Approach For Medical Images Using Guided Filter Implement of follicle monitoring system based on 3D ultrasound images
#1960	Automatic Segmentation of the Left Atrium from MR Images Via Semantic Information
	Medical Imaging Analytics and Systems Solutions (II)
Paper ID #1988	Medical Imaging Analytics and Systems Solutions (II) Paper Title An interactive Image retrieval method
#1988 #2404	Paper Title An interactive Image retrieval method A Quantitative Histogram-based Approach to Predict Treatment Outcome for Soft Tissue Sarcoma Using Pre- and Post-treatment MRIs
#1988 #2404 #2034 #2259	Paper Title An interactive Image retrieval method A Quantitative Histogram-based Approach to Predict Treatment Outcome for Soft Tissue Sarcoma Using Pre- and Post-treatment MRIs An EM-based estimation for a two-level traitor tracing scheme Using Frame Semantics in Authorship Attribution
#1988 #2404 #2034	An interactive Image retrieval method A Quantitative Histogram-based Approach to Predict Treatment Outcome for Soft Tissue Sarcoma Using Pre- and Post-treatment MRIs An EM-based estimation for a two-level traitor tracing scheme
#1988 #2404 #2034 #2259	Paper Title An interactive Image retrieval method A Quantitative Histogram-based Approach to Predict Treatment Outcome for Soft Tissue Sarcoma Using Pre- and Post-treatment MRIs An EM-based estimation for a two-level traitor tracing scheme Using Frame Semantics in Authorship Attribution

#1164 #1180 #1181 #1187	Applications of Wireless Sensor Network for Monitoring System Based on IOT Assessment of Effect of Music Tempo on Heart Rate Recovery using Wearable Device Multiple Biometric Authentication for Personal Identity using Wearable Device Predictive Direct Torque Control with Discrete Multiple Vector Voltages and Fuzzy Hysteresis
Paper ID	Intelligent Computing and Innovative Applications (II) Paper Title
#1498	Design of a Novel Exoskeleton Walking Assistance System
#2006 #2076	Robust Type-2 T-S Fuzzy Multiple Feedback-Loop H-infinity Controller Design for Uncertain Singular Time-Delay Systems Availability Models for Synchronization Server Infrastructure
#1241 #1057	Academic Research Topics Variation and Prediction Based on FARO and Neural Network Intelligent Investigation Mechanism based on Fuzzy Markup Language for Social Media Application
D 15	Big Data Analytics
Paper ID #1008	Paper Title Empirical Data Analysis A New Tool for Data Analytics
#1303 #1503	Autonomous Data-driven Clustering for Live Data Stream Social Network Analysis: Evolving Twitter Mining
#1510	Sequential classifiers for network intrusion detection based on data selection process
#2478	Forecasting Time Series by an Ensemble of Artificial Neural Networks
Paper ID #1513	Behavior Modeling for Intelligent Human-Agent Interactions (I) Paper Title Effects of Agent Transparency on Human-Autonomy Teaming Effectiveness
#1529 #1603	Modeling Behavior of Computer Generated Forces with Machine Learning Techniques, the NATO task group approach Learning Objective Agent Behavior using a Data-driven Modeling Approach
#1896 #1901	Evolved Creative Intelligence for Computer Generated Forces The Future of Autonomous Air Combat Behavior
	Behavior Modeling for Intelligent Human-Agent Interactions (II)
Paper ID #2500	Paper Title Assessing Behaviour of Cognitive Agents in a Flight Simulator with Fighter Pilots
#1087	A Hybrid Modeling Approach for Incorporating Behavioral Issues into Workforce Planning
#1716 #1880	The Effect of Display Type on Operator Prediction of Future Swarm States Vertex-Neighboring Multilevel Force-Directed Graph Drawing
#1929	Immuno-Inspired Behaviour Adaptation in Multi-Robot Systems
Paper ID	Robotics, Human Machine Interface, and Haptics (I) Paper Title MPC based Motion Chaing Algorithm with Short Prediction Herizon using Exponential Weighting
#1139 #1165	MPC-based Motion Cueing Algorithm with Short Prediction Horizon using Exponential Weighting High Speed Vision-based 3D Reconstruction of Continuum Robots
#1215 #1224	Skin Lesion Segmentation using Gray Level Co-occurance Matrix Semantic Body Parts Segmentation for Quadrupedal Animals
#1236	Haptics-2 - A system for bilateral control experiments from space to ground via geosynchronous satellites
Paper ID	Robotics, Human Machine Interface, and Haptics (II) Paper Title
#1290 #1425	Towards an analytic haptic model for force rendering of soft-tissue dissection An Adaptable System for RGB-D based Human Body Detection and Pose Estimation: Incorporating Attached Props
#1544 #1558	A Particle Swarm Optimization-based Washout Filter for Improving Simulator Motion Fidelity Ergonomic Effects of using Lift Augmentation Devices in Mining Activities
#1641	Nested Marsupial Robotic System for Search and Sampling in Increasingly Constrained Environments
Paper ID	Robotics, Human Machine Interface, and Haptics (III) Paper Title
#1659 #1863	Impulsive resistance force generated using pulsive damping brake of DC motor Tissue and Force Modelling on Multi-layered Needle Puncture for Percutaneous Surgery Training
#1882	Effect of Acceleration and Velocity on Perceptual Force Dead-Band Analysis
#1945 #1952	Driver Behaviour Analysis Using Topological Features Body Joints Regression Using Deep Convolutional Neural Networks
D 10	Robotics, Human Machine Interface, and Haptics (IV)
Paper ID #2023	Paper Title An Empirical Nonlinear Viscoelastic Model of Reflective Force by a Layer of Soft Tissue
#2190 #1321	A Symbolic Motion Planning Approach for the Reach-avoid Problem Attentional Multimodal Interface for Multidrone Search in the Alps
#2386 #1322	MyoHMI: A Low-Cost and Flexible Platform for Developing Real-Time Human Machine Interface for Myoelectric Controlled Applications Degree of Automation in Command and Control Decision Support Systems
	Modern Technology on Medicine, Health Care and Human Assist (I)
Paper ID #1050	Paper Title Auto-Assisting Figure Presentation System for Inclusion Education
#1093 #1094	Low Vision Aid through Laser Retina Imaging Toward Building Eyesight-aid Touch Tracking Analysis for Graphics Image Acquisition by the Visually Impaired Toward Understanding Graphical Image Creation by Touch-Sens
#1182 #1246	Consideration of the Experience of a Blind User Using a Tactile Graphics Editor Available for Blind People Pupil Diameter Measurement in Visible-light Environment Using Separability Filter
	Modern Technology on Medicine, Health Care and Human Assist (II)
Paper ID #1341	Paper Title Gait Analysis of Normal Subjects by Using Force Sensor and Six Inertial Sensor with Wireless Module
#1419 #1493	Identification of Ovarian Follicle with Ovum from Ultrasonic Images
#1507	Cerebral aneurysm occurrence prediction by morphometric analysis of the Willis ring Application of Self-Organizing Maps to Data Classification and Data Prediction for Female Subjects with Unhealthy-Level Visceral Fat
#1657	A fundamental study on the effect of vibration stimulation for motion modification in perception-assist Modern Technology on Medicine, Health Care and Human Assist (III)
Paper ID #2258	Modern Technology on Medicine, Health Care and Human Assist (III) Paper Title Needs and impressions of communication robotics by seniors with slight physical and cognitive disabilities: Evaluation by system usability scale (SUS)
#2299	A Wave Detection Method for Air-Coupled Ultrasound System on Human Abdominal Region
#2320 #2400	Band Generation Process for classification of cerebrospinal fluid in Magnetic Resonance Images Visuospatial working memory game and measured memory performances at various ages
#1438	EPOC aware Energy Expenditure Estimation with Machine Learning
Paper ID	Knowledge-based and Intelligent Control Solutions for Medical Cyber-Physical Systems (I) Paper Title
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#2160 #1068	Polytopic Model Based Interaction Control for Soft Tissue Manipulation Cross-Coupling Control of a Powered Wheelchair Driven by Rim Motors
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Paper ID	Knowledge-based and Intelligent Control Solutions for Medical Cyber-Physical Systems (II) Paper Title
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#2481	Robust Lung Segmentation Combining Adaptive Concave Hulls with Active Contours
#1208 #1539	Information Supervisory Control of Human Behavior - Concept and Experiments Toward Realization - Improving malignancy prediction through feature selection informed by nodule size ranges in NLST
D. T	Proactive Healthcare Systems (I)
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#1121 #1191	Early Detection of Driver Drowsiness by WPT and FLFNN Models Mining Time-Dependeent Influential Users in Facebook Fans Group
#1430 #1452	A Novel Stabilization Condition for T-S Polynomial Fuzzy System with Time-delay: A Sum-of-Squares Approach Visual Tracking of Adaptive Particle Filter with Color Camera and Thermal Camera
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	Cardiovascular Risk Prediction based on Retinal Vessel Analysis using Machine Learning
#1233 #1692	Characterizing Human Percention of Emergent Swarm Rehaviors
#1233 #1692	Characterizing Human Perception of Emergent Swarm Behaviors Collaborative Technologies and Applications (I)
	Characterizing Human Perception of Emergent Swarm Behaviors Collaborative Technologies and Applications (I) Paper Title E-MRO Service Policy with Bilateral Requirements using Variable Fuzzy Recognition and Multi-objective Programming

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Paper ID #2474	Paper Title Exploring asymmetric collaboration in social news curation
#1939	Collective Motion of Self-Propelled Particles without Collision and Fragmentation
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Paper ID #1048	Paper Title pth moment exponential stability for impulsive stochastic delayed neural networks
#1048	An H-infinity approach to Fault detection for Multirate Sampled-data Systems with Frequency Specifications
#1140	Cloud-Aided Moving Horizon State Estimation of A Full-Car Semi-Active Suspension System
#1282 #1345	Fault-tolerant consensus for a group of double-integrator agents communicating over directed topology Periodic Model Predictive Control of Multi-Hop Control Networks
i i	Networked Systems and Networked Control (II)
Paper ID	Paper Title
#1698 #2431	Asynchronous \$H_{\infty}\$ Stabilization of Switched Systems with Overlapped Time-Varying Detection Delays Stability and Stabilization of Polynomial Fuzzy Time-delay Systems under Imperfect Premise Matching
#2432	Stability Analysis and Stabilization for T-S Fuzzy Time-delay Systems with Mismatched Premise Membership Functions
#1946	Self-Organizing Map for Data Collection Planning in Persistent Monitoring with Spatial Correlations FINITE-TIME TOPOLOGY IDENTIFICATION AND FUNCTION PROJECTIVE SYNCHRONIZATION OF COHEN-GROSSBERG NEURAL
#1197	NETWORKS WITH TIME DELAYS AND STOCHASTIC DISTURBANCE
i i	Tensor Product Applications
Paper ID	Paper Title
#1970 #2303	Non-simplex Enclosing Polytope Generation Concept for Tensor Product Transformation based Controller Design Minimum LTI Exact Representation of Multi-Parameter-Dependent Systems
#2304	Simplification on a Kinetic Model Network Related to Hydrogen Peroxide Metabolism in Human Erythrocytes
#2310	Kronecker Product Approximation with Multiple Factor Matrices via the Tensor Product Algorithm
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#1373	Feature Analysis on Heart Failure Classes and Associated Medications
#1495 #1756	Glucose control with incomplete information Modelling for control of hypnosis - a patient friendly approach
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#2223 #2237	OAISIS: an Ontological-based Approach for Interlinking CrowdSensing Information Systems Oxione Oxio
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#1818	Eyes Detection in Unrestrained Settings using Efficient Match Kernels and SVM Classification
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#1096 #1460	Drivable Space Expansion from the Ground Base for Complex Structured Roads Obstacle Avoidance of Autonomous Vehicles with CQP-based Model Predictive Control
#1460 #1797	Using the Viable System Model to control a system of distributed DC/DC converters
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#1074	Tracking Control of Unmanned Ground Vehicles Using State Estimation and Robotic Formalism
-	 8 Eye-based Driver State Monitor of Distraction, Drowsiness, and Cognitive Load for Transitions of Control in Automated Driving 5 ShadowRine: Accessible Game for Blind Users, and Accessible Action RPG for Visually Impaired Gamers
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	Complexity and Complex Systems in Computational Cybernetics (I)
Paper ID #1014	Paper Title A Fast Connected Component Algorithm Based on Hub Contraction
#1014 #1213	Decentralized Connective Stabilization of Complexity Large-Scale Systems with Expanding Construction via Observers
#1376	Flexible Window Control Method Based on Data: A New Technique of AQM
#1420 #1542	Tackling Complexity and Missing Information in Adaptive Control by Fixed Point Transformation-Based Approach Cooperative Dancing with an Industrial Manipulator: Computational Cybernetics Complexities
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Paper ID	Complexity and Complex Systems in Computational Cybernetics (II) Paper Title
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#1666 #1898	Complexity of Constrined Switching for Switched Nonlinear Systems with Average Dwell Time; Novel Characterization Synergy of Switched-Fuzzy and Fuzzy-Neural Nonlinear Systems Enhances Complexity and Potential
#1318	A Sensor Fault Detection and Isolation Strategy by using A Dendritic Cell Algorithm
#1870	Tolerance to Complexity: Measuring Capacity of Development Teams to Handle Source Code Complexity
	Decision Support Systems based on Multicriteria Methods
Paper ID #1287	Paper Title Multicriteria Decision Model for Prioritization of Alternatives on Water Scarcity Situations

U.4 # 40	Analysis of the decision-makers??weights on preventive maintenance in a water supply system
#1569	A multicriteria approach for selection of agile methodologies in software development projects
#1748 #1854	Model for Contractor Performance Evaluation in Construction Industry Classification of vulnerable areas using Dominance-based Rough Set Approach
#1854	Classification of vulnerable areas using Dominance-based Rough Set Approach
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#1128	Coupled fractional spiking neurons
#1688	Accessible Indoor Navigation based on Linked Data in Hospitals
#1712 #1719	Fault Tolerant Distributed Control System with Robust Fractional Order Controllers
#1718 #1743	From viscoelastic models to lung function devices A Natural Ventilation Control in Buildings Based on Co-Simulation Architecture and Particle Swarm Optimization
111743	A Natural Ventuation Control in Bundings Based on Co-Simulation Architecture and Larticle Swarm Optimization
	Workshop on Women in Engineering (II)
Paper ID	Paper Title Multinarametria Model Predictive Central Strategies of the Humatic Component in Introvenous Anasthesis
#1836 #1936	Multiparametric Model Predictive Control Strategies of the Hypnotic Component in Intravenous Anesthesia An Analysis of a New Continuous-to-Discrete Time Operator for the Approximation of Fractional Order Systems
#2141	Comparison of protocol based cancer therapies and discrete controller based treatments in the case of endostatin administration
<i>"2111</i>	comparison of protocol based cancer incrupies and discrete controller based treatments in the case of endostatin administration
	Big Data based Technological Innovations on Intelligent Health Service in the Clouds (I)
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#1076	Improving queries and representing heterogeneous information in fuzzy ontologies using multi-granular fuzzy linguistic modelling methods
#1142	Automated Characterization of Arrhythmias Using Nonlinear Features from Tachycardia ECG Beats
#1144 #1378	Automated Diagnosis of Coronary Artery Disease using Nonlinear Features Extracted from ECG Signals Proactive Healthcare and an Early Warning Mechanism for Coronary Artery Disease Patients using Internet-of-Thing Devices
#1450	Collaboration Patterns of Researchers Using Social Network Analysis Approach
1 10 0	e o remo o rumo na a rumo de a rumo de o como e com
	Big Data based Technological Innovations on Intelligent Health Service in the Clouds (II)
Paper ID	Paper Title Interval Type 2 Engry DSS for Unbiased Medical Diagnosis
#1965 #1979	Interval Type-2 Fuzzy DSS for Unbiased Medical Diagnosis A hybrid reasoning system for mobile and intelligent health services
#1979 #2101	A hybrid reasoning system for mobile and intelligent health services Cloud-based Health Monitoring System Based on Commercial Off-the-Shelf Hardware
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	Junior Cybernetics
Paper ID	Paper Title
#1046	Parallel machine scheduling with predefined parts of jobs and family setup times
#1384	Embedding Optimized Trajectory and Motor Controller Into the Szabad(ka)-II Hexapod Robot
#1538	Comparison Identificatipon of Statistical and Fuzzy Models of Time Series
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Paper ID	Paper Title
#1720	Automated Brain Tumor Segmentation using Kernel Dictionary Learning and Superpixel-level Features
#1742	Mixed MFC-VRFT Approach for a Multivariable Aerodynamic System Position Control
#1775	In vitro glucose concentration estimation by means of fractional order impedance models
#1982	Investigation of the TP-based modeling possibility of a nonlinear ICU diabetes model
#1990	Infectious Hospital Agents: an individual-based simulation framework
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#2115	Speed control strategy of geophysical measurement platform for archaeological prospection: a conceptual study
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#1574	Novel Methods for Image-Guided ToF Depth Upsampling
#1591	Fuzzy and Deep Learning Approaches for User Modeling in Interactive Design of Watershed Plans
#2092	Interactive Q-Learning for Social Robots that Learn from the Wizard: A Pilot Study
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Paper ID	Paper Title
Paper ID #1250	Fast Lane Boundary Recognition by a Parallel Image Processor
#1250 #1257	Fast Lane Boundary Recognition by a Parallel Image Processor Joint estimation of states and parameters of vehicle model using cubature kalman filter
#1250 #1257 #1474	Fast Lane Boundary Recognition by a Parallel Image Processor Joint estimation of states and parameters of vehicle model using cubature kalman filter New model for a variant of Pick up and Delivery Problem
#1250 #1257	Fast Lane Boundary Recognition by a Parallel Image Processor Joint estimation of states and parameters of vehicle model using cubature kalman filter
#1250 #1257 #1474	Fast Lane Boundary Recognition by a Parallel Image Processor Joint estimation of states and parameters of vehicle model using cubature kalman filter New model for a variant of Pick up and Delivery Problem Controlled Parking for Self-Driving Cars
#1250 #1257 #1474	Fast Lane Boundary Recognition by a Parallel Image Processor Joint estimation of states and parameters of vehicle model using cubature kalman filter New model for a variant of Pick up and Delivery Problem
#1250 #1257 #1474 #1519 Paper ID #1637	Fast Lane Boundary Recognition by a Parallel Image Processor Joint estimation of states and parameters of vehicle model using cubature kalman filter New model for a variant of Pick up and Delivery Problem Controlled Parking for Self-Driving Cars Junior Systems Science & Engineering (II) Paper Title Novel Palmprint Biometric System Combining Several Fractal Methods for Texture Information Extraction
#1250 #1257 #1474 #1519 Paper ID #1637 #1907	Fast Lane Boundary Recognition by a Parallel Image Processor Joint estimation of states and parameters of vehicle model using cubature kalman filter New model for a variant of Pick up and Delivery Problem Controlled Parking for Self-Driving Cars Junior Systems Science & Engineering (II) Paper Title Novel Palmprint Biometric System Combining Several Fractal Methods for Texture Information Extraction User-Level Large Scale Load Forecasting Based on GPU
#1250 #1257 #1474 #1519 Paper ID #1637 #1907 #1969	Fast Lane Boundary Recognition by a Parallel Image Processor Joint estimation of states and parameters of vehicle model using cubature kalman filter New model for a variant of Pick up and Delivery Problem Controlled Parking for Self-Driving Cars Junior Systems Science & Engineering (II) Paper Title Novel Palmprint Biometric System Combining Several Fractal Methods for Texture Information Extraction User-Level Large Scale Load Forecasting Based on GPU Second-order and implicit methods in numerical integration improve tracking performance of the closed-loop inverse kinematics algorithm
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#1250 #1257 #1474 #1519 Paper ID #1637 #1907 #1969 #1525 Paper ID #2423 #2458	Fast Lane Boundary Recognition by a Parallel Image Processor Joint estimation of states and parameters of vehicle model using cubature kalman filter New model for a variant of Pick up and Delivery Problem Controlled Parking for Self-Driving Cars Junior Systems Science & Engineering (II) Paper Title Novel Palmprint Biometric System Combining Several Fractal Methods for Texture Information Extraction User-Level Large Scale Load Forecasting Based on GPU Second-order and implicit methods in numerical integration improve tracking performance of the closed-loop inverse kinematics algorithm Kalman filter based cooperative landmark localization in indoor environment for mobile robots Junior Systems Science & Engineering (III) Paper Title Robot Position control in pipes using Q Learning Electrodes Arrangement on Brain-Computer Interface for the ALS's Posture
#1250 #1257 #1474 #1519 Paper ID #1637 #1907 #1969 #1525 Paper ID #2423 #2458 #2028	Fast Lane Boundary Recognition by a Parallel Image Processor Joint estimation of states and parameters of vehicle model using cubature kalman filter New model for a variant of Pick up and Delivery Problem Controlled Parking for Self-Driving Cars Junior Systems Science & Engineering (II) Paper Title Novel Palmprint Biometric System Combining Several Fractal Methods for Texture Information Extraction User-Level Large Scale Load Forecasting Based on GPU Second-order and implicit methods in numerical integration improve tracking performance of the closed-loop inverse kinematics algorithm Kalman filter based cooperative landmark localization in indoor environment for mobile robots Junior Systems Science & Engineering (III) Paper Title Robot Position control in pipes using Q Learning Electrodes Arrangement on Brain-Computer Interface for the ALS's Posture Invariance Principle for Transportation Network
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#1353 #2032 #1199	Paper Title Self-Organizing Map-based Solution for the Orienteering Problem with Neighborhoods A Novel Progressive Multi-label Classifier for Class-incremental Data
#1353 #2032 #1199 #1336	Paper Title Self-Organizing Map-based Solution for the Orienteering Problem with Neighborhoods A Novel Progressive Multi-label Classifier for Class-incremental Data PID and Neural Net Controller Performance Comparsion in UAV Pitch Attitude Control
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#1868	Adaptive Video Shot Detection Improved by Fusion of Dissimilarity Measures

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#1011 An MOEA/D Combining with Tabu Search for a Double Pow Layout Problem with Center Island

#1266 Novel Single-objective Optimization Problem and Firefly Algorithm-based Optimization Method

#1911 An MOEA/D Combining with Tabu Search for a Double Row Layout Problem with Center Islands

#1160 A novel algorithm for scheduling intrees on two parallel machines with unavailabilities

#1267 Functional Specialization Based Search Strategy for Multi-objective Optimization

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#1256 #1499	Brain-Computer Interface adaptation for an end user to compete in the Cybathlon
#1722 #1894	Using Support Vector Regression to Estimate Valence Level from EEG Assessing Haptic Video Interaction with Neurocognitive Tools
#2112	Lets play Tic-Tac-Toe: A Brain-Computer Interface case study in cerebral palsy
	BMI Papers-Health and Non-Invasive Wearable BMI
Paper ID #2254	Paper Title Cellular Wireless Energy Harvesting for EEG Applications on Smart Contact Lens
#2280	The Visual System as a Proxy for Evaluation of Brain Function
#2393 #2136	Auto-Powered Intraocular Lenses for Multi-Modal Brain Computer Interfacing Wearable Brain Imager/BMI Technology for Structural, Vascular and Functional Extraction
#2013	Real-Time Step Detection Using the Integrated Sensors of a Head-Mounted Display
	BMI Papers-Adaptive and self-calibrating BMI systems for independent use
Paper ID	Paper Title Restricted Boltzmann Machines in Sensory Motor Rhythm Brain-Computer Interfacing: A Study on Inter-Subject Transfer and
#1123	Co-Adaptation Co-Adaptation
#1196 #1646	Spectral Meta-Leaner for Regression (SMLR) Model Aggregation: Towards Calibrationless BCI Multi-Task Logistic Regression in Brain-Computer Interfaces
#2269	Unsupervised Adaptive Transfer Learning for Steady-State Visual Evoked Potential Brain-Computer Interfaces
#2278	Closed-loop regulation of user state during a boundary avoidance task
Paper ID	BMI Papers-Real World Applications of Brain Computer Interface Systems I Paper Title
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#1448	Voice Familiarity Detection using EEG-based Brain-Computer Interface A Novel Supervised Locality Sensitive Factor Analysis to Classify Voluntary Hand Movement in Multi-Direction Using EEG
#1811	Source Space
#1839 #1947	Brain-Computer Interfacing for Multimedia Quality Assessment EEG based Stress Level Identification
	BMI Papers-BMI for neurodriving
Paper ID	Paper Title
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#1496	A Hand Gesture based Driver-Vehicle Interface to Control Lateral and Longitudinal Motions of an Autonomous Vehicle
#1667	Towards an EEG-based Intelligent Wheelchair Driving System with Vibro-tactile Stimuli
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#1198 #1444	The adjustment of muscle synergy recruitment by controlling muscle co-contraction during the reaching movement Analyzing electrode configurations to detect intention of pedaling initiation through EEG signals
#1589	EMOHEX: An Eye Tracker based Mobility and Hand Exoskeleton Device for Assisting Disabled People
	BMI Papers-Sensor systems for BMI and prosthetics
Paper ID #1528	Paper Title Variable admittance control in pHRI by measuring muscle co-activation with EMG
	A Basic Study on Temporal Parameter Estimation of Wheelchair Propulsion based on Measurement of Upper Limb Movements
#1782	Using Inertial Sensors Patient Simulator Using Wearable Robot to Estimate the Burden of Knee-Osteoarthritis Patients during Sitting-down and
#1658	Standing-up Motions
#2116	Control of Artificial Human Finger using Wearable Device and Adaptive Network-Based Fuzzy Inference System
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#2255	Predicting decision accuracy and certainty in complex brain-machine interactions
#2281	A Robust Interval Type-2 based BCI System
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#2286	Classification of Gait from EEG Using Inverse Brain Mapping
#2415	Imagined 3D Hand Movement Trajectory Decoding from Sensorimotor EEG Rhythms
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Paper ID #1415	BMI Papers-Recent Advances in BMI Speller Paper Title Analysis of Steady State Visual Evoked Potential based on Viewing Distance Changes for Brain-Machine Interface Speller
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