

Sunday, July 18, 2010

| | Room 118 | Room 119 | Room 120 | Room 121 | Room 122 | Room 123 | Room 124 | Room 125 | Room 127 | Room 128 | Room 129 | Room 130 | Room 131 | Room 132 | Room 133 | Room 134 | Room 117 |
|--------------------|--|--|--|--|---|--|--|---|--|--|---|----------|----------|----------|----------|----------|----------|
| 07:30AM 05:00PM | Registration Desk: Hall | | | | | | | | | | | | | | | | |
| 08:30AM 10:30AM | T20 Applications of Adaptive Critic Design. | T13 Advances in Immunological Computation. | T29 Reactive Search Optimization and Intelligent Optimization: from algorithms to software | T24 Effective modeling of the time domain in neural networks. | T1 Theoretical and Practical Aspects of Type-2 Fuzzy Systems | T9 Parallel and distributed evolutionary algorithms | T10 Evolutionary Computation: A Unified Approach | W6 Workshop on Research Funding for Data Infrastructure and Computational Methods | W4 Systems to Build Systems | W1 Evolving Computationally Intelligent Systems | W3 Computational Intelligence for Security and Defence Applications (CISDA) | | | | | | |
| Break | | | | | | | | | | | | | | | | | |
| 10:45AM 12:45AM | T7 Evolutionary Image Registration: Fundamentals, Approaches, Methods, and Real-World Applications | T21 Complex-Valued Neural Networks: Theory and Applications | T12 Fitness Landscapes and Graphs: Multimodularity, Ruggedness and Neutrality | T2 Fuzzy Networks: Theory and Applications | T25 Basic and Advances in Semi-supervised Learning | T14 Introduction to Evolutionary Game Theory | T16 A Survey of Representations for Evolutionary Computation | | | | | | | | | | |
| Break | | | | | | | | | | | | | | | | | |
| 02:30PM 04:30PM | T28 Molecular Biology for Computational Scientists, A Tutorial Introduction | T18 Cultural Algorithms: Harnessing the Power of Social Intelligence | T11 Hyper-heuristics: Towards Automated Heuristic Design | T3 Dynamic Pattern Recognition and its application on non-stationary systems | T8 Applying Computational Intelligence: How to Create Value | T22 Recurrent Neural Networks for System Identification, Forecasting and Control | T30 Clustering: Basics, Algorithms, Applications, and Trends | T27 Meta-Learning: towards universal learning paradigms | W2 Emergent Application of Computational Intelligence in Computer Go | W5 Computational Intelligence in Computer Vision | W7 Knowledge Based Medicine - a computational Intelligence foundation | | | | | | |
| Break | | | | | | | | | | | | | | | | | |
| 04:50PM 06:30PM | T4 Soft Computing with Graded Logic Functions: Theory, Methods and Applications | T26 On Brain Inspired Nano Interconnects | T19 The Art of Parameter Tuning and How it Can Change EC Practice | T15 Large scale data mining using Genetics-Based Machine Learning | T23 Support vector machines and kernel methods: new approaches in unsupervised learning | T17 Evolutionary Algorithms for Numerical Optimisation | T6 Process Mining: Beyond Business Intelligence | | | | | | | | | | |
| 07:30PM | Welcome Reception | | | | | | | | | | | | | | | | |

Color Code

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|-----------------------|--------------------|------------------------|----------------|
| IEEE CEC 2010 Session | IJCNN 2010 Session | FUZZ-IEEE 2010 Session | Hybrid Session |
|-----------------------|--------------------|------------------------|----------------|

Monday, July 19, 2010

| | Room 118 | Room 119 | Room 120 | Room 121 | Room 122 | Room 123 | Room 124 | Room 125 | Room 127 | Room 128 | Room 129 | Room 130 | Room 131 | Room 132 | Room 133 | Room 134 | Room 117 |
|-------------------------------------|--|---|---|---|--|--|------------------------------------|--|--|--|--|---|--|---|---|---|---|
| 07:30AM 05:00PM | Registration Desk: Hall | | | | | | | | | | | | | | | | |
| 08:00AM 08:30AM | Opening Reception: Room 117 | | | | | | | | | | | | | | | | |
| 08:40AM 10:00AM | CCDM: Classification, Clustering, and Data Mining | S121: Special Session: Differential Evolution | S080-1: Grammars in Natural Computing I | EA-1: Engineering Applications I | S037: Computational Intelligence Approaches to Process Mining and Optimisation | S139-1 Awareness and Cognition: Modeling and Applications I | ND-1 Neural Dynamics I | S131 Concept Drift and Learning in Nonstationary Environments | GAM Games | S002-1 Emerging Neuromorphic Hardware Architectures and Applications I | FLT-MVL-FM Fuzzy Logic Theory, MVL, and Fuzzy Measures | T2FL Type-2 Fuzzy Logic | FC&IS-1 Fuzzy Control and Intelligent Systems I | S123-1 Evolutionary Fuzzy Systems I | S016-1 Special Session: Computational Intelligence in Bioinformatics, Computational Biology, and Bioengineering I | S106-1 Special Session: Advances in Clustering Methods and Their Applications I | |
| Coffe Break | | | | | | | | | | | | | | | | | |
| 10:30AM 11:30AM | Plenary Talk 1: Sushmita Mitra "Hybridization with Rough Sets" Plenary Room: Room 117 | | | | | | | | | | | | | | | | |
| 11:30AM 12:50PM | NO-1 Numerical Optimization I | RO-1 Representations and Operators I | S080-2 Special Session: Grammars in Natural Computing II | EA-2 Engineering Applications II | CDA-1 Classification, Clustering, Data Analysis, and Data Mining I | S139-2 Awareness and Cognition: Modeling and Applications II | ND-2 Neural Dynamics II | S125-1 Advances in Learning and Application of Spiking Neural Networks I | MA-1 Medical Applications I | S002-2 Emerging Neuromorphic Hardware Architectures and Applications II | PT&IP Possibility Theory and Imprecise Probability | S019-1 Applications of Type-2 Fuzzy Systems I | FC&IS-2 Fuzzy Control and Intelligent Systems II | S123-2 Evolutionary Fuzzy Systems II | S016-2 Special Session: Computational Intelligence in Bioinformatics, Computational Biology, and Bioengineering II | S106-2 Special Session: Advances in Clustering Methods and Their Applications II | Panel Session P5 How to Publish Papers in IEEE Computational Intelligence Society Journals? |
| Break & "WCI Meeting and Reception" | | | | | | | | | | | | | | | | | |
| 02:30PM 03:30PM | SA-1 Self-adaptation I | RO-2 Representations and Operators II | MO-1 Multiobjective Optimization I | DCS Defense and Cyber Security | S064 Special Session: Software Packages Based on Evolutionary Computation and Other Metaheuristics | S146-1 Neural Models of Creativity I | ND-3 Neural Dynamics III | S125-2 Advances in Learning and Application of Spiking Neural Networks II | MA-2 Medical Applications II | S002-3 Emerging Neuromorphic Hardware Architectures and Applications III | FM Fuzzy Mathematics | S019-2 Applications of Type-2 Fuzzy Systems II | FSR Fuzzy Systems for Robotics | S123-3 Evolutionary Fuzzy Systems III | S016-3 Special Session: Computational Intelligence for Biopattern Data Analysis: Bioinformatics I | S106-3 Special Session: Advances in Clustering Methods and Their Applications III | |
| 03:30PM 04:30PM | FD-MMI Fuzzy Decisions / MMI | | | | | S146-2 Neural Models of Creativity II | ND-4 Neural Dynamics IV | S125-3 Advances in Learning and Application of Spiking Neural Networks III | LP-1 Language Processing I | R-1 Robotics I | S060-1 Human Symbiotic System I | S019-3 Applications of Type-2 Fuzzy Systems III | FC&IS-4 Fuzzy Control and Intelligent Systems IV | S123-4 Evolutionary Fuzzy Systems IV | S134-1 Special Session: Intelligent Sensor Networks I | S136-1 Special Session: Image Characterization and Feature Extraction I | CEC IT-1 Simon Lucas "Playing Games with Computational Intelligence" |
| Coffee Break | | | | | | | | | | | | | | | | | |
| 04:50PM 06:30PM | SA-2 Self-adaptation II | DCO-1 Discrete and Combinatorial Optimization I | S013 Special Session: Niching Methods for Multimodal Optimization | S071 Special Session: Evolutionary Multiobjective Optimization for Defense Applications | CDA-2 Classification, Clustering, Data Analysis, and Data Mining II | S120 Learning to Recognize Objects | ND-5 Neural Dynamics V | S125-4 Advances in Learning and Application of Spiking Neural Networks IV | LP-2 Language Processing II | IMPL Implementations | S060-2 Human Symbiotic System II | S019-4 Applications of Type-2 Fuzzy Systems IV | FC&IS-5 Fuzzy Control and Intelligent Systems V | FC Fuzzy Clustering | S016-4 Special Session: Computational Intelligence in Bioinformatics, Computational Biology, and Bioengineering III | S106-4 Special Session: Advances in Clustering Methods and Their Applications IV | Panel Session P2: Trading Advancements through Computational Intelligence with Finance and Economics |
| End of day | | | | | | | | | | | | | | | | | |

Tuesday, July 20, 2010

| | Room 118 | Room 119 | Room 120 | Room 121 | Room 122 | Room 123 | Room 124 | Room 125 | Room 127 | Room 128 | Room 129 | Room 130 | Room 131 | Room 132 | Room 133 | Room 134 | Room 117 | M212 |
|--------------------------------|--|--|--|--|---|---|---|--|--|---|--|---|---|--|---|--|---|------|
| 07:00AM 05:30PM | Registration Desk: Hall | | | | | | | | | | | | | | | | | |
| 08:00AM 10:00AM | AIS Artificial Immune Systems | CS-1 Coevolutionary Systems I | MEA-1 Multi-objective Evolutionary Algorithms I | S007 Special Session: Evolutionary Computer Vision | BIO-1 Biometrics, Bioinformatics, and Biomedical Applications I | S138 Autonomous Adaptive Systems | SVM-KM-1 Support Vector Machines and Kernel Methods I | S033-1 Data Mining Ensemble Methods and Their Applications I | S004-1 Advances in Computational Intelligence for Brain-Computer Interfaces I | R-2 Robotics II | AR Approximate Reasoning | S021-2 Type-2 Fuzzy Logic Theory II | S116 Hybrid Fuzzy-Model-Based Control Systems | S005-1 Evolving Fuzzy Systems I | S016-5 Special Session: Computational Intelligence for Biopattern Data Analysis | S122 Special Session: Computational Intelligence and Cyberinfrastructure in Medical Informatics and e-Health | | |
| Coffee Break | | | | | | | | | | | | | | | | | | |
| 10:30AM 11:30AM | Plenary Talk 2: Rudolf Kruse "Temporal Aspects in Data Mining" Plenary Room: Room 117 | | | | | | | | | | | | | | | | | |
| 11:30AM 12:50PM | S027 Special Session: Ant Colony Optimization | S001-1 Special Session: Large Scale Global Optimization I | MEA-2 Multi-objective Evolutionary Algorithms II | EHS Evolvable Hardware and Software | BIO-2 Biometrics, Bioinformatics, and Biomedical Applications II | S149 Mental Architecture and Representation | SVM-KM-2 Support Vector Machines and Kernel Methods II | S033-2 Data Mining Ensemble Methods and Their Applications II | S004-2 Advances in Computational Intelligence for Brain-Computer Interfaces II | R-3 Robotics III | | | | | S082-1 Special Session: Commercialization of CI Research Outcomes I | S200-1 Special Session: Computational Intelligence in Earth and Environmental Sciences I | FUZZ IT-1 Ron Yager "Intelligent Learning Methods for Soft Computing Systems" | |
| Break & Student/GOLD Reception | | | | | | | | | | | | | | | | | | |
| 02:30PM 03:30PM | NO-2 Numerical Optimization II | S001-2 Special Session: Large Scale Global Optimization II | MO-2 Multiobjective Optimization II | S077 Special Session: Hardware Aspects of Bio-Inspired Architectures and Systems | S038-1 Special Session: Evolutionary Algorithms with Statistical & Machine Learning Techniques I | | | | | | S098-1 Interval and Fuzzy Techniques I | S072-1 Linguistic Description of Visual Information I | S009-1 Fuzzy Systems: Control and Hardware I | HFS-1 Hybrid Fuzzy Systems I | S082-2 Commercialization of CI Research Outcomes II | S136-2 Image Characterization and Feature Extraction II | IJCNN IT-1 Marley Vellasco "Quantum-Inspired Neuro-Evolutionary Models" | |
| 03:30PM 04:30PM | NO-3 Numerical Optimization III | RO-3 Representations and Operators III | MO-3 Multiobjective Optimization III | ER Evolutionary Robotics | S038-2 Special Session: Evolutionary Algorithms with Statistical & Machine Learning Techniques II | S144 Chaotic Neural Networks and Neurocomputing Models with Rich Dynamics | SVM-KM-3 Support Vector Machines and Kernel Methods III | L-1 Learning I | S093-1 Ensembles & Evolutionary Algorithms for Forecasting | R-4 Robotics IV | S098-2 Interval and Fuzzy Techniques II | S072-2 Linguistic Description of Visual Information II - Fuzzy data summarization | FLI&FA Fuzzy Logic in Industrial and Financial Applications | HFS-2 Hybrid Fuzzy Systems II FS Fuzzy Statistics | S134-2 Intelligent Sensor Networks II | S148-1 Soft Computing in Medical Imaging I | | |
| Coffee Break | | | | | | | | | | | | | | | | | | |
| 04:50PM 06:30PM | NO-4 Numerical Optimization IV | SBO-1 Swarm-based Optimization I | S026-1 Special Session: Evolutionary Multiobjective Optimization I | S089 Special Session: Evolutionary Robotics | DTP Real-world Applications - Design, Test, Planning and Scheduling | | SVM-KM-4 Self-Organizing Networks | S033-3 Data Mining Ensemble Methods and Their Applications III | S100 Convergence of Computational Intelligence and Emotional Intelligence | S140 Perception Algorithms and Systems for Autonomous Driving | S098-3 Interval and Fuzzy Techniques III S092 Rough Sets and Extensions | FDM&F-1 Fuzzy Data Mining and Forecasting I | FDRS Fuzzy Document Retrieval Systems FSM&I Fuzzy Systems Modelling and Identification | S005-2 Evolving Fuzzy Systems II | S016-6 Computational Intelligence for Biopattern Data Analysis: Bioinformatics II | S148-2 Soft Computing in Medical Imaging II | Panel Session P4: Autonomous Machine Learning | |
| End of day | | | | | | | | | | | | | | | | | | |

Human vs. Computer Go Competition

Wednesday, July 21, 2010

| | Room 118 | Room 119 | Room 120 | Room 121 | Room 122 | Room 123 | Room 124 | Room 125 | Room 127 | Room 128 | Room 129 | Room 130 | Room 131 | Room 132 | Room 133 | Room 134 | Room 117 |
|--------------------|---|---|--|--|--|--|---|---|--|---|---|---|--|---|--|---|--|
| 07:00AM 05:30PM | Registration Desk: Hall | | | | | | | | | | | | | | | | |
| 08:00AM 10:00AM | EDA Estimation of Distribution Algorithms | OGP Real-world Applications - Oil, Gas and Power Systems | S026-2 Evolutionary Multiobjective Optimization II | S017-1 Interactive Evolutionary Computation I | DM Data Mining | S091 Autonomous Dimensionality Reduction | ICA Independent Component Analysis | S031-1 Advances in Kernel Methods: Theory and Applications I | S112-1 Computational Intelligence for Artificial Sensing: Olfaction and Touch I | S152 Machine Learning for Renewable Energy Applications | FDM&DSS-1 Fuzzy Decision Making and DSS I | S024-1 Computing with Words I | S032-1 Intelligent Agents I | S068-1 Fuzzy Sets and the Soft Sciences I | S016-7 Fuzzy Systems in Bio-Medicine | S029-1 Special Session: Medical and Educational Applications of Computer Intelligence to Benefit Society I | |
| Coffee Break | | | | | | | | | | | | | | | | | |
| 10:30AM 11:30AM | Plenary Talk 3: Pedro Larrañaga "Probabilistic Graphical Models and Evolutionary Computation" Plenary Room: Room 117 | | | | | | | | | | | | | | | | |
| 11:30AM 12:50PM | S023 Theoretical Foundations of Evolutionary Computation | RO-4 Representations and Operators IV | HMH-1 Heuristics, Metaheuristics, and Hyperheuristics I | ENN-1 Evolved Neural Networks I | CDA-3 Classification, Clustering, Data Analysis, and Data Mining III | S110-1 Toward an Insect Brain Computational Model I | BM&SMLM-1 Bayesian Models and Statistical Machine Learning Methods I | S096 Reservoir Computation | S112-2 Computational Intelligence for Artificial Sensing: Olfaction and Touch II | SI System Identification | | | | | S016-8 Computational Intelligence for Biopattern Data Analysis: Bioinformatics III | S200-2 Computational Intelligence in Earth and Environmental Sciences II | FUZZ IT-2 Jim Bezdek "Some New Indices for Relational Cluster Validity" |
| Break | | | | | | | | | | | | | | | | | |
| 02:30PM 03:30PM | FLM-1 Fuzzy Logic in Medicine I | | | | | S110-2 Toward an Insect Brain Computational Model II | L-2 Learning II | S031-2 Advances in Kernel Methods: Theory and Applications II | C&C-1 Classification and Clustering I | IP-1 Image Processing I | FDM&DSS-2 Fuzzy Decision Making and DSS II | S024-2 Computing with Words II | S032-2 Intelligent Agents II | S075-1 Nonlinearities in Clustering: Kernel Tricks and Semi-Supervision I | S134-3 Intelligent Sensor Networks III | S115-1 Computational Intelligence in Computer Vision I | CEC IT-2 Dipti Srinivasan "Modeling and Optimization for Large Engineering Systems: Hybrid Computational Intelligence and Multi-agent System Approach" |
| 03:30PM 04:30PM | S008 Parameter Setting in Evolutionary Algorithms | S000-1 Constrained Real-Parameter Optimization I (Competition Special Session) | S015-1 From Hybrid Evolutionary Computation and Hyper-Heuristics to Memetic Computation I | LT Real-world Applications - LT Code and FPGA | BIO-3 Biometrics, Bioinformatics and Biomedical Applications III | FLM-2 Fuzzy Logic in Medicine II | | | | | FDM&DSS-3 Fuzzy Decision Making and DSS III | S058-1 Fuzzy Ontologies and Fuzzy Markup Language Applications I | S009-2 Fuzzy Systems: Control and Hardware II | S075-2 Nonlinearities in Clustering: Kernel Tricks and Semi-Supervision II | S132-1 Computational Finance and Economics I | S136-3 Image Characterization and Feature Extraction III | IJCNN-SL2 Jose Principe "Self-Organization with Information Theoretic Learning" |
| Coffee Break | | | | | | | | | | | | | | | | | |
| 04:50PM 06:30PM | S151 Evolutionary Computation for Learning Morphology and Control | S000-2 Constrained Real-Parameter Optimization II (Competition Special Session) | S015-2 From Hybrid Evolutionary Computation and Hyper-Heuristics to Memetic Computation II | S017-2 Interactive Evolutionary Computation II | BIO-4 Biometrics, Bioinformatics and Biomedical Applications IV | Panel Session P3 Between Bottom-Up and Top-Down What Is 'the Much in-between'? | BM&SMLM-2 Bayesian Models and Statistical Machine Learning Methods II | S142 Organic Computing | S093-2 Advances in Fuzzy Logic for Time Series Forecasting | S141 Intelligent Systems in Automatic Applications | FD /IP Fuzzy Databases and Information Processing | S058-2 Fuzzy Ontologies and Fuzzy Markup Language Applications II | S009-3 Fuzzy Systems: Control and Hardware III | S075-3 Nonlinearities in Clustering: Kernel Tricks and Semi-Supervision III FIP Fuzzy Image Processing | S016-9 Computational Intelligence for the Pharmaceutical Industry | S029-2 Special Session: Medical and Educational Applications of Computer Intelligence to Benefit Society II | Panel Session P1 Computational Intelligence and Knowledge-based System Interpretability |
| 08:00PM | Conference Banquet | | | | | | | | | | | | | | | | |

Thursday, July 22, 2010

| | Room 118 | Room 119 | Room 120 | Room 121 | Room 122 | Room 123 | Room 124 | Room 125 | Room 127 | Room 128 | Room 129 | Room 130 | Room 131 | Room 132 | Room 133 | Room 134 | Room 117 |
|---------------------|--|---|---|--|--|---|--|--|--|---|---|--|---|--|--|---|--|
| 07:00AM 05:30PM | Registration Desk: Hall | | | | | | | | | | | | | | | | |
| 08:00AM 10:00AM | S057 Evolutionary Computation in Dynamic and Uncertain Environments (ECiDUE) | PDA Parallel and Distributed Algorithms | MEA-3 Multi-objective Evolutionary Algorithms III | S035-1 Evolutionary Computation in Aerospace Sciences I | S150 Computational Intelligence in Games | S030 Biologically Inspired Computational Vision | RL-1 Reinforcement Learning I | S039 Complex-Valued Neural Networks | S093-3 1st Neural Network Grand Competition in Time Series Forecasting | S147 Approximate Dynamic Programming with Feedback Control Applications | FO&D Fuzzy Optimization and Design | S049-1 Fuzzy Knowledge Management and Discovery I | S124-1 Control of Takagi-Sugeno Fuzzy and Fuzzy-Polynomial Systems I | S066 Advances in Dynamic Clustering FPR-1 Fuzzy Pattern Recognition I | S132-2 Computational Finance and Economics II | S087-1 Evolutionary Computation for Knowledge Discovery I | |
| Coffee Break | | | | | | | | | | | | | | | | | |
| 10:30AM 11:30AM | Plenary Talk 4: Enrique Ruspini "From Clusters to Models and Perceptions: The Evolution of Fuzzy Clustering" Plenary Room: Room 117 | | | | | | | | | | | | | | | | |
| 11:30AM 12:50PM | ECT Evolutionary Computation Theory | SBO-2 Swarm-based Optimization II | S059 Natural Computation Applied to Power Systems | S035-2 Evolutionary Computation in Aerospace Sciences II | GAM Games | S099 CI for Activity Recognition from Sensed Data | | | | | FLWA Fuzzy Logic Web Applications | S049-2 Fuzzy Knowledge Management and Discovery II | S124-2 Control of Takagi-Sugeno Fuzzy and Fuzzy-Polynomial Systems II | FPR-2 Fuzzy Pattern Recognition II | S132-3 Computational Finance and Economics III | S087-2 Evolutionary Computation for Knowledge Discovery II | IJCNN IT-3 Erkki Oja Classification, Clustering, Data Analysis, and Data Mining II |
| Break | | | | | | | | | | | | | | | | | |
| 02:30PM 03:30PM | DCO-2 Discrete and Combinatorial Optimization II | ISA-1 Intelligent Systems Applications I | MO-4 Multiobjective Optimization IV | EAM Evolved Art and Music | S095 Co-evolution in Strategic Games | S011-1 Active and Autonomous Learning I | RL-2 Reinforcement Learning II | S130-1 Neural Modeling Fields: Foundations and Applications I | 134-4 Intelligent Sensor Networks IV | IP-2 Image Processing II | S062-1 Uncertainty and the semantic web I | S032-3 Intelligent Agents III | S129-1 Adaptive Intelligent Control and Its Applications I | S022-1 Interpretable Fuzzy Systems: Theory and Applications I | S132-4 Computational Finance and Economics IV | S087-3 Evolutionary Computation for Knowledge Discovery III | |
| 03:30PM 04:30PM | FLM-3 Fuzzy Logic in Medicine III | | | | | S011-2 Active and Autonomous Learning II | L-3 Learning III | S130-2 Neural Modeling Fields: Foundations and Applications II | FA Financial Applications | S006-1 Computational Intelligence for Privacy and Security I | S062-2 Uncertainty and the semantic web II | S073-1 CI in Machine Learning I | S129-2 Adaptive Intelligent Control and Its Applications II | S022-2 Interpretable Fuzzy Systems: Theory and Applications II | S036-1 Intelligent Measurement Systems I | S115-2 Computational Intelligence in Computer Vision II | CEC IT-3 Hussein Abbas "Evolutionary Computation for Risk Assessment" |
| Coffee Break | | | | | | | | | | | | | | | | | |
| 04:50PM 06:30PM | RO-5 Representations and Operators V | ISA-2 Intelligent Systems Applications II | S117 Evolutionary Computation in Scheduling | MMH Memetic, Multi-meme, and Hybrid Algorithms | EGS Evolutionary Games and Multi-agent Systems | S011-3 Active and Autonomous Learning III | L-4 Learning IV | S114 Radial Basis Function Networks: New Trends in Design and Applications | S093-4 Preprocessing & Feature Selection for Time Series Forecasting | S006-2 Computational Intelligence for Privacy and Security II | S020-1 Aggregation Operators: Theory and Practice I | S073-2 CI in Machine Learning II | S129-3 Adaptive Intelligent Control and Its Applications III | S123-5 Evolutionary Fuzzy Systems V S025 Brain and Learning | S036-2 Intelligent Measurement Systems II | S087-4 Evolutionary Computation for Knowledge Discovery IV S115-3 CI in Computer Vision II | Panel Session P6: Computational Intelligence in Industry: Promises and Challenges |
| 09:30PM | Concert at the "Palau de la Música Catalana" | | | | | | | | | | | | | | | | |

Friday, July 23, 2010

| | Room 118 | Room 119 | Room 120 | Room 121 | Room 122 | Room 123 | Room 124 | Room 125 | Room 127 | Room 128 | Room 129 | Room 130 | Room 131 | Room 132 | Room 133 | Room 134 | Room 117 |
|---------------------|--|---|--|---|--|--|-----------------------------|---|---|--|---|--|---|---|--|--|---|
| 07:00AM 05:30PM | Registration Desk: Hall | | | | | | | | | | | | | | | | |
| 08:00AM 10:00AM | S069-1 Quantum Computing I | WCC Real-world Applications - Networks | S133 Designing Evolutionary Processes | FE-1 Finance and Economics I | EA-3 Engineering Applications III | S108 Image Understanding : An Important Step Toward Visual Cognition | L-5 Learning V | S119 Empirical Model Decomposition: Theory and Applications | S093-5 Time Series Forecasting in Financial Applications | IA-1 Industrial Applications I | S118 Multimedia Information Retrieval S068-2 Fuzzy Sets and the Soft Sciences II | FDM&DSS-4 Fuzzy Decision Making and DSS IV | S129-4 Adaptive Intelligent Control and Its Applications IV- Fuzzy systems architectures and HW | S022-3 Interpretable Fuzzy Systems: Theory and Applications III S028 Fuzzy Interpolation | S143 Motion Analysis | S034-1 Computational Intelligence on Consumer Games and Graphics Hardware (CIGPU) I | |
| Coffee Break | | | | | | | | | | | | | | | | | |
| 10:30AM 11:30AM | Plenary Talk 5: Shiro Usui "PLATO: Platform for Collaborative Brain System Modeling" Plenary Room: Room 117 | | | | | | | | | | | | | | | | |
| 11:30AM 12:50PM | S069-2 Quantum Computing II | S012-1 Nature-Inspired Constrained Optimization I | EO Evolutionary simulation-based optimization | AEAL Artificial Ecology and Artificial Life | S003 Evolutionary Computation in Expensive Optimization Problems | DM&KE Data Mining and Knowledge Extraction | L-6 Learning VI | S010-1 Hybrid Neural Intelligent Systems I | S093-6 Advances in Algorithms for Time Series Forecasting | SC System Control | | | | | S036-3 Intelligent Measurement Systems III | S034-2 Computational Intelligence on Consumer Games and Graphics Hardware (CIGPU) II | FUZZ IT-3 Nozha Boujemaa "Competitive Clustering for Multimedia Mining and Retrieval" |
| Break | | | | | | | | | | | | | | | | | |
| 02:30PM 03:30PM | RL Reinforcement Learning | S012-2 Special Session: Nature-Inspired Constrained Optimization II | MO-5 Multiobjective Optimization V | FE-2 Finance and Economics II | S088-1 Computer Graphics I | CN-1 Computational Neuroscience I | L-7 Learning VII | HS-1 Hybrid Systems I | C&C-2 Classification and Clustering II | IA-2 Industrial Applications II | S020-2 Aggregation Operators: Theory and Practice II | FDM&F-2 Fuzzy Data Mining and Forecasting II | FSMA Fuzzy Sets in Medical Applications | S061-1 Fuzzy Robotics and Multi-Robotics I | Games Competition Session-1 | | |
| 03:30PM 04:30PM | S014 Parallel Biologically-inspired Optimisation | VR Real-world Applications - Vehicle Routing and Path Planning | S018 Bio-Inspired Self-Organizing Multi-Agent Systems | CS-2 Coevolutionary Systems II | S088-2 Special Session: Computer Graphics II | CN-2 Computational Neuroscience II | L-8 Learning VIII | HS-2 Hybrid Systems II | C&C-3 Classification and Clustering III | IA-3 Industrial Applications III | FMMI Fuzzy Man-Machine Interfaces FEC Fuzzy Emotional Computing | FPM Fuzzy Preference Modeling | S137-1 Hierarchical Fuzzy Systems | S061-2 Fuzzy Robotics and Multi-Robotics II | Games Competition Session-2 | S200-3 Computational Intelligence in Earth and Environmental Sciences III | |
| Coffee Break | | | | | | | | | | | | | | | | | |
| 04:50PM 06:30PM | RO-6 Representations and Operators VI | DCO-3 Discrete and Combinatorial Optimization III | HMH-2 Heuristics, Metaheuristics, and Hyperheuristics II | ENN-2 Evolved Neural Networks II | | CN-3 Computational Neuroscience III | L-9 Learning IX | S010-2 Hybrid Neural Intelligent Systems II | C&C-4 Classification and Clustering IV | SP Signal Processing | | S011 Aggregation Operators in Image Processing | S137-2 Applications of Fuzzy Signatures | S061-3 Fuzzy Robotics and Multi-Robotics III | | S200-4 Computational Intelligence in Earth and Environmental Sciences IV | |
| 07:00PM | Closing Reception | | | | | | | | | | | | | | | | |

Poster Sessions

Monday, July 19, 2010

| Posters: Foyer 2 | | | |
|--------------------|------------------------------------|------------------------------------|---|
| 09:00AM 12:00PM | MMP Poster Session I | MMP Poster Session I | MMP Fuzzy Information Processing |
| Break | | | |
| 03:00PM 06:00PM | MAP Poster Session II | MAP Poster Session II | MAP Fuzzy Systems Modelling and Identification |

Tuesday, July 20, 2010

| Posters: Foyer 2 | | | |
|--------------------|--------------------------------------|--------------------------------------|---|
| 09:00AM 12:00PM | TuMP Poster Session III | TuMP Poster Session III | TuMP Fuzzy Decision making |
| Break | | | |
| 03:00PM 06:00PM | TuAP Poster Session IV | TuAP Poster Session IV | TuAP Fuzzy Control |

Wednesday, July 21, 2010

| Posters: Foyer 2 | | | |
|--------------------|------------------------------------|------------------------------------|---|
| 09:00AM 12:00PM | WMP Poster Session V | WMP Poster Session V | WMP Hybrids and Fuzzy Systems Applications |
| Break | | | |
| 03:00PM 06:00PM | WAP Poster Session VI | WAP Poster Session VI | WAP Fuzzy Logic Theory |

Thursday, July 22, 2010

| Posters: Foyer 2 | | | |
|--------------------|---------------------------------------|---------------------------------------|---|
| 09:00AM 12:00PM | ThMP Poster Session VII | ThMP Poster Session VII | ThMP Fuzzy Robotics and Computer Vision Applications |
| Break | | | |
| 03:00PM 06:00PM | ThAP Poster Session VIII | ThAP Poster Session VIII | ThAP Fuzzy Pattern Recognition and Clustering |