

Sunday, July 19th 2020

| Time | FUZZ Room 1 | FUZZ Room 2 | FUZZ Poster Room | CEC Room 1 | CEC Room 2 | CEC Room 3 | CEC Room 4 | CEC Poster Room | IJCNN Room 1 | IJCNN Room 2 | IJCNN Room 3 | IJCNN Room 4 | IJCNN Room 5 | IJCNN Room 6 | IJCNN Room 7 | IJCNN Poster Room 1 | IJCNN Poster Room 2 | WCCI Tutorials | Panels | Workshops | | |
|---------|--|-------------|------------------|---|---|---|---|-----------------|--|--|---|--------------|--------------|--------------|--------------|---------------------|---------------------|--|--------|--|--|---|
| 11:30AM | Fundamentals of Fuzzy Networks | | | Selection Exploration and Exploitation | Visualising the search process of EC algorithms | Evolutionary Machine Learning | Evolutionary Many-Objective Optimization | | Adversarial Machine Learning: On The Deeper Secrets of Deep Learning | Brain-Inspired Spiking Neural Network Architectures for Deep, Incremental Learning and Knowledge Evolution | Advances in Deep Reinforcement Learning | | | | | | | Instance Space Analysis for Rigorous and Insightful Algorithm Testing | | Adversarial Machine Learning And Security (AMLAS) | Sentic Computing | Bridging the gap between Computational Intelligence and Neuroscience in Brain-Computer Interfaces: towards the definition of a standard description of systems and data |
| 1:30PM | Break | | | Break | | | | | Break | | | | | | | | | Break | | Break | Break | Break |
| 2:00PM | Paving the way from Interpretable Fuzzy Systems to Explainable AI Systems | | | Pareto Optimization for Subset Selection: Theories and Practical Algorithms | Benchmarking and Analyzing Iterative Optimization Heuristics with IOHprofiler | Differential Evolution | Evolutionary computation for games: learning, planning, and designing | | Deep Learning for Graphs | Randomization Based Deep and Shallow Learning Methods for Classification and Forecasting | Deep Stochastic Learning and Understanding | | | | | | | Multi-modality Helps in Solving Biomedical Problems: Theory and Applications | | Ethics and Social Implications of Computational Intelligence | Sentic Computing | Bridging the gap between Computational Intelligence and Neuroscience in Brain-Computer Interfaces: towards the definition of a standard description of systems and data |
| 4:00PM | Break | | | Break | | | | | Break | | | | | | | | | Break | | Break | Break | Break |
| 4:30PM | Fuzzy Systems for Neuroscience and Neuro-engineering Applications | | | Dynamic Parameter Choices in Evolutionary Computation | Evolutionary Computation for Dynamic Multi-objective Optimization Problems | Evolutionary Algorithms and Hyper-Heuristics | Large-Scale Global Optimization | | From brains to deep neural networks | Evolution of Neural Networks | Experience Replay for Deep Reinforcement Learning | | | | | | | Evolutionary Bilevel Optimization | | IEEE Eprepreneurship panel | Design, Implementation, and Applications of Spiking Neural Networks and Neuromorphic Systems | Advances in Learning from/ with Multiple Learners (ALML) |
| 6:30PM | Break | | | Break | | | | | Break | | | | | | | | | | | Break | Break | Break |
| 7:00PM | Patch Learning: A New Method of Machine Learning, Implemented by Means of Fuzzy Sets | | | Self-Organizing Migrating Algorithm - Recent Advances and Progress in Swarm Intelligence Algorithms | Recent Advances in Particle Swarm Optimization Analysis and Understanding | Nature-Inspired Techniques for Combinatorial Problems | Large-Scale Global Optimization - PART 2 | | Machine learning for data streams in Python with scikit-multi flow | Deep randomized neural networks | | | | | | | | How to combine human and computational intelligence? | | The Evolutionary Computation for Healthcare (TECH) 2020 | Design, Implementation, and Applications of Spiking Neural Networks and Neuromorphic Systems | Advances in Learning from/ with Multiple Learners (ALML) |
| 9:00PM | End of day | | | End of day | | | | | End of day | | | | | | | | | End of day | | | | |

Artificial Intelligence for Mental Disorders

Monday, July 20th 2020

| Time | FUZZ Room 1 | FUZZ Room 2 | FUZZ Poster Room | CEC Room 1 | CEC Room 2 | CEC Room 3 | CEC Room 4 | CEC Poster Room | IJCNN Room 1 | IJCNN Room 2 | IJCNN Room 3 | IJCNN Room 4 | IJCNN Room 5 | IJCNN Room 6 | IJCNN Room 7 | IJCNN Poster Room 1 | IJCNN Poster Room 2 | WCCI Room 1 | Panels | Workshops |
|----------|---|---|--|---|---|---|---|----------------------------|---|---|--|---|---|-----------------------------|---|---|---|--------------------|---|-----------|
| 11:00AM | Opening Ceremony (General Chairs, CIS President, Rt. Hon First Minister of Scotland, Lord Provost of Glasgow) | | | | | | | | | | | | | | | | | | | |
| 11:30AM | Plenary WCCI lecture I Streaming Data Analysis: Old Clothes Fit New Ideas Badly - Jim Bezdek | | | | | | | | | | | | | | | | | | | |
| 12:30PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 12:45 PM | From the extensions of Choquet and Sugeno integrals and their applications to classification, image processing and the computational brain problems to d-Choquet integrals. - Humberto Bustince | | | Hod Lipson | | | | | Augmented AI: correctors of errors and social networks of AI - Alexander N Gorban | | | | | | | | | | | |
| 1:45PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 2:00PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 3:30PM | F-MM1: Linguistic Summarization and Description of Data-I | F-MM2: Human-in-the-Loop Interactions in Fuzzy Reasoning and Machine Learning | F-MM3: Software for Soft Computing-I | C-S11: Special Session on Data-Driven Evolutionary Optimization of Computationally Expensive Problems (I) | C-S01: Special Session on Evolutionary Computation in Healthcare | C-S02: Special Session on Games | C-S17: Special Session on Associated with CEC 2020 Numerical Optimization Competitions (I) | C-P1: CEC Poster Session 1 | I-R1: Feedforward neural networks | I-SS1: Randomization-Based Deep and Shallow Learning Algorithms | I-SS22: Learning Representations for Structured Data | I-SS59A: Artificial Intelligence and Advanced Machine Learning for Biomedical Signal Processing | I-SBP: Student Best Paper Award | I-R2: Supervised learning 1 | I-R3: Neurodynamics | I-P1: Feedforward neural networks | I-P2: Applications of deep networks | Student/YP Session | Explainability and Interpretability When Using Fuzzy Sets and Systems: Opportunities and Challenges | |
| 5:00PM | | | | | | | | | | | | | | | | | | | | |
| 5:30PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 5:45PM | F-MA1: Linguistic Summarization and Description of Data-II | F-MA2: Advances on explainable Artificial Intelligence-I | F-MA3: Software for Soft Computing-II | C-S03: Special Session on Evolutionary Deep Learning and Applications | C-S04-2: Special Session on Evolutionary Scheduling and Combinatorial Optimization (II) | C-S12: Special Session on Evolutionary Computation for Feature Selection, Extraction and Dimensionality Reduction | C-S17-2: Special Session on Associated with CEC 2020 Numerical Optimization Competitions (II) | C-P2: CEC Poster Session 2 | I-R4: Deep neural networks | I-SS2: Data Driven Approach for Bio-medical and Healthcare | I-SS35: Deep and Generative Adversarial Learning | I-SS59B: Artificial Intelligence and Advanced Machine Learning for Biomedical Signal Processing | I-BP : Regular Best Paper Award | I-R5: Supervised learning 2 | I-R6: Cognitive Neuroscience and Neurocognition | I-P3: Recurrent Neural Networks and SOM | I-P4: Applications of deep networks, big data | | | |
| 7:45PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 8:00PM | F-ME1: Special Session on Fuzzy and Rough Hybridisation | F-ME2: Advances on explainable Artificial Intelligence-II | F-ME3: AGGREGATION STRUCTURES: NEW TRENDS AND APPLICATIONS | C-S04: Special Session on Evolutionary Scheduling and Combinatorial Optimization (I) | C-S07: Special Session on Optimization, Learning, and Decision-Making in Bioinformatics and Bioengineering (OLDMBB) | C-S22: Special Session on Memetic Computing (I) | C-S22-2: Special Session on Memetic Computing (II) | C-P3: CEC Poster Session 3 | I-R7: Deep neural networks | I-SS3: Current Trend of Machine Learning in Computer Vision | I-SS32: Healthcare Analytics: Improving Healthcare outcomes using Big Data Analytics | I-SS60: Learning from Difficult Data Streams | I-SS36-7: Deep Learning for Wildlife Bioacoustics, Ecology and Crop Science | I-R8: Supervised learning 3 | I-R9: Visual System | I-P5: Different Neural Networks - fuzzy, large scale, RBF | I-P6: Bioinformatics and Biomedical engineering | | | |
| 10:00PM | End of day | | | End of day | | | | | End of day | | | | | | | End of day | | | | |

Tuesday, July 21st 2020

| Time | FUZZ Room 1 | FUZZ Room 2 | FUZZ Poster Room | CEC Room 1 | CEC Room 2 | CEC Room 3 | CEC Room 4 | CEC Poster Room | IJCNN Room 1 | IJCNN Room 2 | IJCNN Room 3 | IJCNN Room 4 | IJCNN Room 5 | IJCNN Room 6 | IJCNN Room 7 | IJCNN Poster Room 1 | IJCNN Poster Room 2 | WCCI Room 1 | Panels | Workshops | |
|---------|---|---|---|--|---|--|------------|----------------------------|--|---|--|--|--|---|---|-------------------------------|--|---------------|--|-----------------|--|
| 10:00AM | Virtual Tour, Coffee Break & Networking | | | | | | | | | | | | | | | | | | | | |
| 11:30AM | 20 Years of Designing Multi-Objective Evolutionary Algorithms: Lessons Learned and Challenges Lying Ahead - Carlos Coello Coello | | | | | | | | | | | | | | | | | | | | |
| 12:30PM | Break | | | Break | | | | | Break | | | | | | | | | | | | |
| 1:00 PM | Brain-Computer Interfaces for the Diagnosis and Rehabilitation of Perceptual, Learning and Motor Disorders: A Type-2 Fuzzy Logic Approach - Amit Kona | | | Some Challenges of Interactive Evolutionary Multiobjective Optimization Methods - Kaisa Miettinen | | | | | Deep CNN Neocognitron for Artificial Vision - Kunihiko Fukushima | | | | | | | | | | | | |
| 2:00PM | Break | | | Break | | | | | Break | | | | | | | | | | | | |
| 2:30PM | F-MM: Linguistic Summarization and Description of Data-I | F-TM2: Fuzzy Interpolation | F-TM3: Recent Advances in Fuzzy Control System Design and Analysis-I | C-S11-2: Special Session on Data-Driven Evolutionary Optimization of Computationally Expensive Problems (II) | C-S16: Special Session on Transfer Learning in Evolutionary Computation | C-S41: Special Session on Differential Evolution: Past, Present and Future | | C-P4: CEC Poster Session 4 | I-R10: Deep neural networks | I-SS4A: Feature Extraction and Learning on Image and Text Data | I-SS50: Machine Learning and Deep Learning Approaches to for Ambient Assisted Living | I-SS13: Computational Intelligence for Applied Time Series Forecasting | I-SS39: Challenges in Reservoir Computing | I-R11: Supervised learning 4 | I-R12: Attention | I-P7: Spiking Neural Networks | I-P8: Data analysis and pattern recognition | Chapter Forum | Issues of Cutting Edge AI and Advanced Computational Intelligence Research | Secure Learning | |
| 4:00PM | | | | | | | | | | | | | | | | | | | | | |
| 4:30PM | Break | | | Break | | | | | Break | | | | | | | | | | | | |
| 4:45PM | F-TA1: Handling Uncertainties in Big Data By Fuzzy Systems-I | F-TA2: Computational Intelligence methods for Natural Language Processing | F-TA3: Recent Advances in Fuzzy Control System Design and Analysis-II | C-S25: Special Session on Evolutionary Computation in Dynamic and Uncertain Environments (ECIDUE) | C-S33: Special Session on Fitness Landscape Analysis in Practice | C-R1: Evolutionary Multi- and Many-objective Optimization | | C-P5: CEC Poster Session 5 | I-R13: Deep neural networks | I-SS4B: Feature Extraction and Learning on Image and Text Data | I-SS42: Artificial Neural Networks for Healthcare and Bio-signals Analysis | I-SS12: Cybersecurity in Complex Environments | I-SS49: Validation, Explanation and Correction of Artificial Intelligence Systems | I-R14: Unsupervised learning and clustering 1 | I-R15: Learning, Memory, Spatial Cognition | I-P9: Deep neural networks | I-P10: Speech recognition, speech production, robotics, neurocontrol, optimization | | | | |
| 6:00PM | | | | | | | | | | | | | | | | | | | | | |
| 6:45PM | Break | | | Break | | | | | Break | | | | | | | | | | | | |
| 7:00PM | F-TE1: Handling Uncertainties in Big Data By Fuzzy Systems-II | F-TE2: Recent trends in many-valued logic and fuzziness | F-TE3: Interval and Fuzzy-valued Functions and their Applications | C-S32: Special Session on Real-World and Industry Applications of Evolutionary Computation | C-R3: Evolutionary Neural Architecture Search | C-R4: Genetic Programming (I) | | C-P6: CEC Poster Session 6 | I-R16: Deep neural networks | I-SS6: Bayesian Neural Networks: The Interplay between Bayes' Theorem and Neural Networks | I-SS38: Adversarial Machine Learning and Cyber Security | I-SS15A: Deep Learning and Computational Intelligence for Medical Image Analysis | I-SC7: CI in Transactive Energy Management and Smart Energy Network (CITISEN 2020) | I-R17: Unsupervised learning and clustering 2 | I-R18: Semantic Cognition and Symbolic Processing | I-P11: Deep neural networks | I-P12: Signal processing, image processing, and multi-media | | | | |
| 9:00PM | End of day | | | End of day | | | | | End of day | | | | | | | End of day | | | | | |

Wednesday, July 22nd 2020

| Time | FUZZ Room 1 | FUZZ Room 2 | FUZZ Poster Room | CEC Room 1 | CEC Room 2 | CEC Room 3 | CEC Room 4 | CEC Poster Room | IJCNN Room 1 | IJCNN Room 2 | IJCNN Room 3 | IJCNN Room 4 | IJCNN Room 5 | IJCNN Room 6 | IJCNN Room 7 | IJCNN Poster Room 1 | IJCNN Poster Room 2 | WCCI Tutorials | Panels | Workshops |
|---------|--|--|---|--|---|--|------------|----------------------------|--|--|---|--|--|--|--|-----------------------------|--|----------------|---|-----------|
| 10:30AM | Virtual Tour, Coffee Break & Networking | | | | | | | | | | | | | | | | | | | |
| 12:00AM | Design of General Type-2 Fuzzy Systems: Theory and Applications - Patricia Melin | | | Evolutionary Optimization - A Bird's Eye View - Ruhul Sarker | | | | | From designs for autonomous adaptive agents to clinical disorders: Linking cortically-mediated learning to Alzheimer's disease, autism, amnesia, and sleep - Steve Grossberg | | | | | | | | | | | |
| 1:00PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 1:15PM | Towards Deep Learning 2.0 - Yoshua Bengio | | | | | | | | | | | | | | | | | | | |
| 2:15PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 2:30PM | Awards Ceremony | | | | | | | | | | | | | | | | | | | |
| 3:30PM | F-WM1: Type-2 Fuzzy Logic Systems | F-WM2: Distributed/Multiagent Control of Fuzzy and Intelligent Systems | F-WM3: Fuzziness and New Frontiers of AI Research | C-R2: Evolutionary Large-Scale Optimization | C-R6: Evolution and Learning | C-R10: Nature Inspired Optimization | | C-P7: CEC Poster Session 7 | I-R19: Deep neural networks | I-SS7: Machine Learning Applications in Cyber Security | I-SS40: Complex-valued and Quaternionic Neural Networks: Theory and Applications | I-SS15B: Deep Learning and Computational Intelligence for Medical Image Analysis | I-SC8: CI for Bioinformatics and Computational Biology | I-R20: Reinforcement learning and adaptive dynamic programming 1 | I-R21: Motor Control | I-P13: Deep neural networks | I-P14: Temporal data analysis, prediction and forecasting; time series analysis, computer networks | | Landscape of Publications in Computational Intelligence | |
| 5:30PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 5:45PM | F-WA1: Human Symbiotic Systems | F-WA2: Fuzzy Logic for Security and Forensics | F-WA3: Advanced Fuzzy Robotic Systems | C-R5: Genetic Programming (II) | C-R8: Metaheuristics and Hyperheuristics | C-R11: Swarm Optimization | | C-P8: CEC Poster Session 8 | I-R22: Deep neural networks | I-SS9A: Deep Neural Audio Processing | I-SS45: Neural Architecture Search and its Applications | I-SS19: Concept Drift, Domain Adaptation & Learning in Dynamic Environments | I-SC10: Sensors, Robotics and Artificial Intelligence: From Theory to Applications | I-R23: Reinforcement learning and adaptive dynamic programming 2 | I-R24: Applications of deep networks | I-P15: Supervised Learning | I-P16: Data mining and knowledge discovery | | | |
| 7:45PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 8:00PM | F-WE1: Intuitionistic Fuzzy Sets in Emerging Domains | F-WE2: Fuzzy and Uncertain Intelligent Knowledge Engineering Systems | F-WE3: Fuzzy systems for robotics | C-R7: Real-World Applications (I) | C-R9: Transfer Learning and Transfer Optimization | C-R12: Multi-Objective Optimization and Applications (I) | | C-P9: CEC Poster Session 9 | I-R25: Deep neural networks | I-SS9B: Deep Neural Audio Processing | I-SS41: Neural Architecture Search and Deep Reinforcement Learning for Autonomous Driving | I-SS20: Artificial Intelligence and Security (AISE) | I-SS4-28: AI Technologies in IoT, CI & Software Engineering | I-R26: Semi-supervised learning | I-R27: Data analysis and pattern recognition | I-P17: Supervised Learning | I-P18: Power system and financial engineering applications | | | |
| 10:00PM | End of day | | | End of day | | | | | End of day | | | | | | | | | End of day | | |

Thursday, July 23rd 2020

| Time | FUZZ Room 1 | FUZZ Room 2 | FUZZ Poster Room | CEC Room 1 | CEC Room 2 | CEC Room 3 | CEC Room 4 | CEC Poster Room | IJCNN Room 1 | IJCNN Room 2 | IJCNN Room 3 | IJCNN Room 4 | IJCNN Room 5 | IJCNN Room 6 | IJCNN Room 7 | IJCNN Poster Room 1 | IJCNN Poster Room 2 | WCCI Room 1 | Panels | Workshops |
|---------|---|--|--|---|--------------------------------------|---|------------|------------------------------|----------------------------------|--|--|---|--|--------------------------|---|---|--|---------------------|---|-----------|
| 10:00AM | Virtual Tour, Coffee Break & Networking | | | | | | | | | | | | | | | | | | | |
| 11:30AM | Evolutionary Transfer Optimization – Kay Chen Tan | | | | | | | | | | | | | | | | | | | |
| 12:30PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 1:00 PM | Transformation-based Fuzzy Rule Interpolation and its Applications - Qiang Shen | | | Cooperation – Experience – Creativity towards a new role of Optimization and AI in Engineering - Bernard Sendhoff | | | | | Michael Bronstein | | | | | | | | | | | |
| 2:00PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 3:30PM | F-THM1: Fuzzy Systems for Brain Sciences | F-THM2: SenseAgents: Soft Approaches in Multi-sensing Cooperative Environments | F-THM3: Fuzzy Engineering Applications-I | C-R13: Multi-Objective Optimization and Applications (II) | C-R16: Real-World Applications (III) | C-R19: Discrete and Combinatorial Optimization (I) | | C-P10: CEC Poster Session 10 | I-R10: Deep neural networks | I-SS10: Recurrent Neural Information Processing: Models and Applications | I-SS46: Intelligent Vehicle and Transportation Systems | I-SS13A: Biologically Inspired Cognitive Robotics | I-SS15: Intelligent Control: Methods and Applications | I-R29: Deep learning I | I-COMP: IJCNN Competitions | I-P19: Unsupervised learning and clustering (including PCA and ICA) | I-P20: Multi-agent systems, social computing, industrial, expert systems | Women in CI Session | Funding Opportunities in Biologically Inspired AI and Computational Intelligence Research | |
| 5:30PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 5:45PM | F-THA1: Fuzzy System for Renewable Energy and Control | F-THA2: Fuzzy logic and fuzzy set theory-I | F-THA3: Fuzzy Engineering Applications-II | C-R14: Multi-Objective Optimization and Applications (III) | C-R17: Real-World Applications (IV) | C-R20: Discrete and Combinatorial Optimization (II) | | C-P11: CEC Poster Session 11 | I-R30: Modular Networks | I-SS27: Embedded AI for Real-Time Systems | I-SS51: Neurocomputing and Cognition | I-SC13B: Biologically Inspired Cognitive Robotics | I-SS33B: Computationally Intelligent Methods in Neural Data Processing | I-R31: Deep learning II | I-R32: Applications of deep networks | I-P21: Reinforcement learning and adaptive dynamic programming | I-P22: Clinical applications | | | |
| 7:45PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 8:00PM | F-THE1: Fuzzy Clustering | F-THE2: Fuzzy logic and fuzzy set theory-II | F-THE3: Fuzzy Engineering Applications-III | C-R15: Real-World Applications (II) | C-R18: Real-World Applications (V) | C-R21: Evolutionary Computation in Software Testing | | C-P12: CEC Poster Session 12 | I-R33: Recurrent neural networks | I-SS25A: Machine Learning and Deep Learning Methods applied to Vision and Robotics | I-SS47: Mind, Brain, and Cognitive Algorithms | I-SS16: Neural Network-based Uncertainty Quantification | I-SS34: Deep Learning for Brain-like Computing and Pattern Recognition | I-R34: Deep learning III | I-R35: Signal processing, image processing, and multi-media | I-P23: Semi-supervised learning, Online Learning, Probabilistic Methods | I-P24: Other applications | | | |
| 10:00PM | End of day | | | End of day | | | | | End of day | | | | | | | End of day | | | | |

Friday, July 24th 2020

| Time | FUZZ Room 1 | FUZZ Room 2 | FUZZ Poster Room | CEC Room 1 | CEC Room 2 | CEC Room 3 | CEC Room 4 | CEC Poster Room | IJCNN Room 1 | IJCNN Room 2 | IJCNN Room 3 | IJCNN Room 4 | IJCNN Room 5 | IJCNN Room 6 | IJCNN Room 7 | IJCNN Poster Room 1 | IJCNN Poster Room 2 | WCCI Tutorials | Panels | Workshops |
|---------|--|---------------------------------------|---|--|---|---|---------------------------------|------------------------------|--|--|---|--|---|--|--|--|--|----------------|--------|-----------|
| 10:00AM | Virtual Tour, Coffee Break & Networking | | | | | | | | | | | | | | | | | | | |
| 11:30AM | Machine Learning in the wild - Barbara Hammer | | | | | | | | | | | | | | | | | | | |
| 12:30PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 1:00PM | Fuzzy Patten Recognition in Data Analysis - Sansanee Auephanwiriayukul | | | Evolutionary Multi-Objective Optimization and Decision-Making in Timely Critical Scenarios - Sanaz Mostaghim | | | | | Deep Learning, Neural Networks and Kernel Machines: new Synergies - Johan A.K. Suykens | | | | | | | | | | | |
| 2:00PM | Closing Ceremony | | | | | | | | | | | | | | | | | | | |
| 2:30PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 2:45PM | F-FM1: Fuzzy Decision Making | F-COMP: FUZZ-IEEE Competitions | F-FM3: Fuzzy Time Series and Optimisation | C-R22: Real-World Applications (VI) | C-R25: Multi-Objective Optimization and Applications (IV) | C-S08: Special Session on Computational Intelligence in Aerospace Science and Engineering (CIASE) | C-COMP: CEC Competitions | C-P13: CEC Poster Session 13 | I-R36: Reservoir networks and SOM | I-SS18A: Explainable Computational/Artificial Intelligence | I-SS55: Extreme Learning Machines (ELM) | I-SS26: Neuromorphic Sensing, Processing and Applications | I-R37: Applications in multi-agent systems and social computing | I-R38: On-line learning and mixed topics | I-R39: Temporal data analysis, prediction, and forecasting; time series analysis | I-P25: Deep Learning | I-P26: Neurocognitive, visual and auditory systems | | | |
| 4:45PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 5:00PM | F-FA1: Fuzzy Hybrid Systems | F-FA2: Fuzzy Theory-I | F-FA3: Fuzzy Applications-I | C-R23: Differential Evolution | C-R26: Evolutionary Game and Multi-Agent Systems | C-R28: Applications | | C-P14: CEC Poster Session 14 | From brains to deep neural networks | I-SS18B: Explainable Computational/Artificial Intelligence | I-SS52: Methods and Applications of Deep Reinforcement Learning to Autonomous Systems | I-SS30: Robustness and Trustworthiness in Deep Learning | I-R41: Manufacturing and industrial applications | I-R42: Mixture models | I-R43: Data mining and knowledge discovery | I-P27: Deep Learning | I-P28: Attention, Memory, Spatial Cognition, computational neuroscience, neurodynamics | | | |
| 7:00PM | Break | | | Break | | | | | Break | | | | | | | | | | | |
| 7:15PM | F-FE1: Fuzzy Theory-II | F-FE2: Fuzzy Systems | F-FE3: Fuzzy Logic Applications-II | C-R24: Genetic Programming (IV) | C-R27: Hybrid Algorithms | C-R30: Genetic Algorithms and Genetic Programming | | C-P15: CEC Poster Session 15 | Machine learning for data streams in Python with scikit-multi flow | I-SS25B: Machine Learning and Deep Learning Methods applied to Vision and Robotics | I-SS54: Online Intelligence and Trust Computation in Large-Scale Dynamic Networks | I-SS33A: Computationally Intelligent Methods in Neural Data Processing | I-R45: Expert systems | I-R46: Clinical and Other applications | I-R47: Power system applications | I-P29: Mixture models, ensemble learning | I-P30: Semantic Cognition, emotion, coordination and behavior | | | |
| 9:15PM | End of day | | | End of day | | | | | End of day | | | | | | | | | End of day | | |