IEEE CIVEMSA 2024

IEEE International Conference on Computational Intelligence & Virtual Environments for Measurement Systems and Applications

14 - 16 June 2024 - Xi'an, China

IEEE · IEEE Computational Intelligence Society · IEEE INSTRUMENTATION & MEASUREMENT SOCIETY

CALL FOR PAPERS

IMPORTANT DATES

CALL FOR PAPERS DEADLINES

31 March 2024
Full Initial Paper Submission

15 April 2024
Acceptance/Rejection Notification

30 April 2024
Final Manuscript Submission

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The IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications (CIVEMSA 2024) is dedicated to all aspects of computational intelligence, virtual environments and human-computer interaction technologies for measurement systems and related applications.

TOPICS OF INTEREST

Papers are solicited on all aspects of computational intelligence, human-computer interaction technologies, and virtual environments for measurement systems and the related applications, from the points of view of both theory and practice. This includes, but is not limited to, the following topics with specific emphasis on the measurement aspects:

» INTELLIGENT MEASUREMENT SYSTEMS
» INTELLIGENT MEASUREMENT IN INTERNET-OF-THINGS AND CYBER-PHYSICAL SYSTEMS
» HUMAN-COMPUTER INTERACTION
» AUGMENTED AND VIRTUAL REALITY
» ACCURACY AND PRECISION OF NEURAL AND FUZZY COMPONENTS
» ACCURACY AND PRECISION OF VIRTUAL ENVIRONMENTS
» PERCEPTION, NEURODYNAMICS, NEUROPHYSIOLOGY, PSYCHOPHYSICS
» MULTIMODAL SENSING
» MULTIMODAL (VISUAL, HAPTIC, AUDIO, ETC) VIRTUAL ENVIRONMENTS
» SENSORS AND DISPLAYS
» CALIBRATION
» MULTI-SENSOR DATA FUSION AND INTELLIGENT SENSOR FUSION
» INTELLIGENT MONITORING AND CONTROL SYSTEMS
» NEURAL AND FUZZY TECHNOLOGIES FOR IDENTIFICATION, PREDICTION, AND CONTROL OF COMPLEX DYNAMIC SYSTEMS
» EVOLUTIONARY MONITORING AND CONTROL
» EVOLUTIONARY TECHNIQUES FOR OPTIMIZATION AND LOGISTICS
» NEURAL AND FUZZY SIGNAL/IMAGE PROCESSING FOR INDUSTRIAL, ENVIRONMENTAL AND DOMOTIC APPLICATIONS
» NEURAL AND FUZZY SIGNAL/IMAGE PROCESSING FOR ENTERTAINMENT AND EDUCATIONAL APPLICATIONS
» IMAGE UNDERSTANDING AND RECOGNITION
» OBJECT MODELING
» OBJECT AND SYSTEM MODEL VALIDATION
» VIRTUAL REALITY LANGUAGES
» COMPUTATIONAL INTELLIGENCE TECHNOLOGIES FOR ROBOTICS AND VISION
» COMPUTATIONAL INTELLIGENCE TECHNOLOGIES FOR MEDICAL AND BIOENGINEERING APPLICATIONS
» COMPUTATIONAL INTELLIGENCE FOR ENTERTAINMENT AND EDUCATIONAL APPLICATIONS
» MACHINE LEARNING FOR SENSING SYSTEMS AND VIRTUAL REALITY
» COLLABORATIVE DISTRIBUTED VIRTUAL ENVIRONMENTS
» MODEL-BASED TELECOMMUNICATIONS AND TELECONTROL
» HYBRID SYSTEMS
» FUZZY AND NEURAL COMPONENTS FOR EMBEDDED SYSTEMS
» HARDWARE IMPLEMENTATION OF NEURAL AND FUZZY SYSTEMS FOR MEASUREMENTS
» NEURAL, FUZZY AND GENETIC/EVOLUTIONARY ALGORITHMS FOR SYSTEM OPTIMIZATION AND CALIBRATION
» NEURAL AND FUZZY TECHNIQUES FOR SYSTEM DIAGNOSIS
» RELIABILITY OF FUZZY AND NEURAL COMPONENTS
» FAULT TOLERANCE AND TESTING IN FUZZY AND NEURAL COMPONENTS
» NEURAL AND FUZZY TECHNIQUES FOR QUALITY MEASUREMENT
» STANDARDS

Please note that an Author of an accepted paper must register and pay the registration fee (only IEEE member and non-member fees are allowed for this purpose) for inclusion in the proceedings.

At least one Author must present the paper at the conference to allow for inclusion in IEEE Xplore.

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