

Call for Papers

Joint 11th International Conference on Soft Computing and Intelligent Systems
and 21st International Symposium on Advanced Intelligent Systems

SCIS&ISIS2020

December 5-8, 2020
Online Conference



<http://scis.j-soft.org/2020/index.html>



Important Dates:

Paper Submission: July 31, 2020 (extended)

Notification of Acceptance: September 23, 2020 (extended)

Camera-ready Submission: October 4, 2020 (extended)

Conference: December 5-8, 2020

Due to the COVID-19 pandemic, SCIS&ISIS 2020 will be held as an ONLINE event, without physical attendance.

SCIS&ISIS2020 (Joint 11th International Conference on Soft Computing and Intelligent Systems and 21st International Symposium on Advanced Intelligent Systems) is the flagship international conference on Soft Computing in Asia, that attracts several hundred participants all over the world. We strive to foster an open and lively scientific forum by bringing together researchers, engineers, and practitioners with diversified backgrounds to discuss disseminate the latest state-of-the-art achievements, thought provoking challenges and potential future direction in many different aspects. Our program is designed to maximize feasibility and satisfaction of participation at all levels in different ways.

Publication:

We would like to cordially invite you to submit papers to SCIS&ISIS2020. The submissions will be peer-reviewed in terms of fitness/significance, novelty, completeness, consistency, and presentation. All accepted papers will be published in the conference proceedings. Paper awards will be prized to outstanding papers. In addition, revised and extended versions of selected papers will be invited to post-conference publications such as special issues of international journals.

Topics include (but are not limited to):

Artificial Intelligence; Awareness Computing; Bayesian Networks; Bio-Inspired Model; Bioinformatics; Biometrics; Brain Science; Cognitive Science; Complex Systems; Computational Intelligence; Data Mining; Decision Making and Risk Management; Distributed Systems; Education and Training; Embedded Real-Time Systems; Embodied Knowledge; Evolutionary Computing; Fault Detection and Diagnosis; Fuzzy Control; Fuzzy Sets and Logic; Fuzzy Systems; Granular Computing; Hardware/Software Co-Design; Human-Computer Interaction and Interface; Intelligent Communications; Intelligent Electronics; Intelligent Electrical Systems; Information Fusion; Intelligent Control; Intelligent Manufacturing Systems; Intelligent Medical Systems; Intelligent Systems; Intelligent Transportation Systems; Kansei Engineering; Machine Learning; Mathematical Models; Mechatronics Design; Medical Informatics; Micro/Nano Technology; Mobile Communications; Mobile Machines; Modeling and Simulation; Multi-Agent Systems; Multivariate Analysis; Neural Networks; Neuro-Fuzzy Systems; Pattern Recognition; Perception; Probabilistic Reasoning; Robotics; Rough Sets; Semantic Web; Skill Science; Social Systems; Virtual Reality; Vision and Sensors; Visualization; Web Intelligence and Interaction

Sponsors:



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Contact: scisis2020+info@gmail.com

Plenary talks

■ Prof. Naoya Ohta Research, Development, and Social Experiments of New Transportation Methods in Gunma University



Director of the Center for Research on Adoption of NextGen Transportation Systems, Gunma University

In this talk, we present activities of our research center. Our projects include automated driving, transportation using slow or narrow vehicles, and automatic moving chairs. Among them, the project attracting large attention recently is automatic driving, so we mainly talk about the automated driving project. We have another successful project called the slow mobility project, where we pursue effective usage of slow speed electric buses for transportation in local communities. We first briefly present the slow mobility project, and then talk about the automated driving project.

■ Dr. Jose M. Alonso Interactive Natural Language Technology for Human-Centric Explainable Artificial Intelligence



CITIUS, Universidade de Santiago

de Compostela, Spain
The main goal of this talk is to provide audience with a holistic view of fundamentals and current research trends in the XAI field, paying special attention to Interactive Natural Language Technology for XAI (i.e., semantic-grounded knowledge representation, natural language and argumentation technologies as well as human-machine interaction).

■ TBA

Approved Organized Sessions

- OS-01 Intelligent Media and New-Generation Software (Masahito Kurihara, Satoshi Oyama)
- OS-02 Explainable Machine Learning for Modeling and Classifier Design (Yusuke Nojima, Shinji Fukuda, Jose Maria Alonso)
- OS-03 Robot Systems Cooperate with Human (Hiroyuki Masuta, Takenori Obo)
- OS-04 Rough Sets, Granular Computing and Their Applications (Yasuo Kudo)
- OS-05 Advanced Human Sensing and Intelligent Support Systems (Noboru Takagi, Hironobu Takano, Tatsuo Motoyoshi)
- OS-06 Interactive Systems (Makoto Fukumoto, Jun-ichi Imai, Yoshiko Hanada)
- OS-07 Soft Computing in Urban and Transport Planning (Takamasa Akiyama)
- OS-08 Human Symbiotic Systems (Tomohiro Yoshikawa, Tsuyoshi Nakamura, Masayoshi Kanoh)
- OS-09 Combinations of EC, Humans, and Machine Learning (Tomohiro Yoshikawa, Kei Ohnishi)
- OS-10 Fusion technologies of theory and science for data utilization (Takeshi Matsui, Antonio Oliveira Nzinga Rene)
- OS-11 Affective/Kansei Information Processing and its Interactive Approach (Shino Iwashita, Muneyuki Unehara)
- OS-12 Data Science for Human-oriented Systems Design (Shinichi Yoshida, Yukinobu Hoshino)
- OS-13 Recent Trends of Clustering Methodologies (Yukihiro Hamasuna)
- OS-14 Modern Applications of Clifford Algebra (Kanta Tachibana, Kazunori Uruma, Eckhard Hitzer)

http://scis.j-soft.org/2020/organized_session.html

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