



DSD 2018

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21th Euromicro Conference on Digital System Design

Prague, Czech, Aug. 29th - Aug. 31st, 2018



SPECIAL SESSION ON SYSTEM DESIGN FOR COLLABORATING INTELLIGENT SYSTEMS (SDCIS)

Intelligent collaborating systems are networked systems that have the capacity to gather and analyze complex data, take decisions based on the data analysis, actuate the decisions, as well as, communicate with other systems to form intelligent infrastructures (systems-of-systems) that can perform complex tasks to achieve common higher-level goals. Examples of such systems include: autonomous vehicles in the space, air, ground, sea, and sub-sea domain, nanosatellites, and industry 4.0.

SPECIAL SESSION SCOPE

The Special Session addresses the heterogeneity in system design, supporting a better design of intelligent systems.

To this special session, we welcome papers that are related to advanced applications of intelligent collaborating systems, automation systems, distributed systems, system-level design, hardware/software co-design, and system-level data processing, especially when addressing the following topics:

- Heterogeneity in system design of intelligent collaborating systems.
- System design for intelligent automation services.
- Design of security and privacy for intelligent collaborating systems.
- Design and implementation of efficient computing and reliable communication systems for harsh environments and very low power budgets.
- Sensors, actuators and wireless technologies for intelligent collaborating systems.
- Hardware/Software co-design for unmanned vehicle systems and other similar systems.
- Identification and tracking of autonomous systems.
- Algorithms, data processing and data analysis for intelligent collaborating systems.

SUBMISSION GUIDELINES

Authors are encouraged to submit their manuscripts to <https://easychair.org/conferences/?conf=dsd2018>. Should an unexpected web access problem be encountered, please contact the Program Chair by email (dsd2018@easychair.org).

Each manuscript should include the complete paper text, all illustrations, and references. The manuscript should conform to the IEEE format: single-spaced, double column, US letter page size, 10-point size Times Roman font, up to 8 pages. In order to conduct a blind review, no indication of the authors' names should appear in the manuscript, references included.

CPS, Conference Publishing Services, publishes the (ISI indexed) DSD Proceedings, available worldwide through the IEEE Xplore Digital Library. Extended versions of selected best papers will be published in a special issue of the ISI indexed "Microprocessors and Microsystems: Embedded Hardware Design" Elsevier journal.

IMPORTANT DATES

Deadline for paper submission: April 1st 2018
Notification of acceptance: May 15th 2018
Camera ready papers: June 15th 2018

MORE INFORMATION (WEB PAGES)

- DSD 2018: <http://dsd-seaa2018.fit.cvut.cz>
- Euromicro: www.euromicro.org