



DSD 2019

22nd Euromicro Conference on Digital System Design

Kallithea, Chalkidiki, Greece, Aug. 28th – Aug. 30th, 2019

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SPECIAL SESSION on SYSTEM DESIGN for COLLABORATING INTELLIGENT SYSTEMS (SDCIS)

SPECIAL SESSION SCOPE

The Euromicro Conference on Digital System Design (DSD) addresses all aspects of (embedded, pervasive and high-performance) digital and mixed HW/SW system engineering, covering the whole design trajectory from system specification down to micro-architectures, digital circuits and VLSI implementations.

Intelligent collaborating systems are networked systems that have the capacity to gather and analyse 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.

Papers on any of the following and related topics can be submitted to the special session:

- Heterogeneity in system design of intelligent collaborating systems.
- System design for intelligent automation services.
- Design of security and privacy for intelligent collaborating systems.
- Sensors, actuators and wireless technologies for intelligent collaborating systems.
- Hardware/Software designs for unmanned vehicle systems and other similar systems.
- Design of efficient computing and reliable communication systems for harsh environments.
- Energy modelling and optimization for UAV software for low-powered embedded devices.

SUBMISSION GUIDELINES

Authors are encouraged to submit their manuscripts via EasyChair web service at web page <https://easychair.org/conferences/?conf=dsd2019>. Should an unexpected web access problem be encountered, please contact the Program Chair by email (dsd2019@easychair.org, nkonofao@csd.auth.gr). 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: Date
Notification of acceptance: Date
Camera ready papers: Date

MORE INFORMATION (WEB PAGES)

- DSD 2019: <http://dsd-seaa2019.csd.auth.gr/>
- Euromicro: www.euromicro.org