

ApplePies

Applications in Electronics Pervading Industry, Environment and Society

11th edition

Genova, Italy, 28-29 September 2023

www.applepies.eu

The ApplePies International Conference (Applications in Electronics Pervading Industry, Environment and Society) intends to provide an opportunity of reciprocal meeting and knowledge on industrial and research activities for academicians, practitioners, and managers who operate in the field of electronic applications.

The overall goal is to stimulate a proficuous collaboration between academy and industry in the world of the applications of the electronic technologies.

Authors are invited to submit full papers presenting original research works and achievements. Topics of interest include, but are not limited to the following areas:

Enabling Technologies: Machine Learning and Deep Neural Networks; Embedded Systems; Real-Time Systems; High-Performance Computing; (Open Source) HW/SW Platforms; Computer architectures; Sensors and Actuators; MEMS/MOEMS; Silicon-Photonics and Optical Communications; Cyber-physical Systems; “Makers” Systems; Nano-technologies; System of Systems; Ubiquitous Computing; IoT; Wireless Communications; Digital Signal and Image Processing; Ultra-low-energy and Low-power Computation and storage; Wired and Power-line Communications; Cognitive Systems; Robotics; Human Machine Interface (HMI) and Augmented Reality; Security and Data Privacy; Cryptography.

Health-care: Biomedical Imaging; Biomedical instrumentation; Health monitoring; Brain-Computer Interface (BCI); Biomimetic and Bio-inspired Systems; Crowd-sensing; Children care & protection; Medical analysis tools.

Submission deadline (6 pages): **7 July 2023**

Notification date: **18 august 2023**

All accepted papers will be published on

Springer LNEE series

indexed by **Scopus and ISI WoS**

Registration is free for all interested participants!

Space: HW and SW for Space Communication; Redundant, Secure and Rad-hard Systems; Navigation and Localization Technologies.

Energy: Smart-grids; Electronics for PV Energy Production; Residential Micro-grids; Domestic and Residential Energy Storage Systems; Power Converters for Renewable Energy Systems; Energy harvesting and scavenging.

Environment: Wireless Sensors Networks; Environment monitoring; Smart Sensors for environmental applications; Smart Agriculture; Desalination tools and plants; Water management.

Education and Entertainment: Cultural Heritage; Games design and implementation; Learning & Education; Collaborative applications and systems.

Smart and Integrated Transportation: Automated Driving Electronics and Systems; Intelligent Electronics for Road Safety; Battery Management; Intelligent Transportation Systems; Battery life cycle management.

System Engineering: System modeling and simulation; Requirement engineering; Testing and Verification.

General Chair

Francesco Bellotti (University of Genoa, Italy)

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