

# ApplePies

## Applications in Electronics Pervading Industry, Environment and Society

Genova. September 2022

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. Industrial liaisons and business-academy dialogue and collaborations are specifically targeted.

The conference offers a venue for presenting original research works, achievements and panels on the latest trends in electronic applications pervading industry 4.0, environment and society. The overall goal is to stimulate a proficuous collaboration between academy and industry on the world of the applications of the electronic technologies.

Topics of interest include, but are not limited to the following areas:

**Enabling Technologies:** Machine Learning and Deep Neural Networks; Cryptography; Cyber-physical Systems; Embedded Systems; High Performance Computing; (Open Source) HW/SW Platforms; MEMS/MOEMS; Sensors and Actuators; Silicon-Photonics and Optical Communications; "Makers" Systems; Nano-technologies; System of Systems; Ubiquitous Computing; IoT Protocols and Standards; Wireless Communications; Radio Frequency Identification (RFID); Digital Signal and Image Processing; Ultra-low-energy and Low-power Computation and Storage; Wired and Power-line Communications;; 5G Networks and IoT, Cognitive Systems; Robotics;.

**Health-care:** Biomedical Imaging; Biomedical Instrumentation; Health Monitoring; Energy Harvesting for Biomedical Applications; Brain-Computer Interface (BCI) or Brain-Machine Interface (BMI); Human Machine Interface (HMI) and Augmented Reality; Biomimetic and Bio-inspired Systems; Crowd-sensing, Human-centric Sensing.

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

Submission deadline (4/6 pages): **To be defined**

Notification date: **To be defined**

All accepted papers will be published on

**Springer LNEE series**

**indexed by Scopus and ISI WoS**

**Registration is free for all interested participants!**

**Secure, Clean and Efficient Energy:** Smart-grids; Electronics for PV Energy Production; Residential Micro-grids; Domestic and Residential Energy Storage Systems; Power Converters for Renewable Energy Systems; Energy Scavenging.

**Environment:** Wireless Sensors Networks; Energy Harvesting for Autonomous Systems; Environment Monitoring and Control; Smart Sensors for Environmental Applications, IoT and Sustainable Development; Smart Agriculture and Food Systems

**Education and Entertainment:** Cultural Heritage; Games Design and Implementation; Digital Learning & Education; Collaborative Applications and Systems

**Smart, Green and Integrated Transportation:** Driver Information Management; Intelligent Electronics for Road Safety; Autonomous Driving Electronics; Smart Li-ion Batteries; Intelligent Transportation Systems; Serious Games for Transportation and Mobility.

**System Engineering:** System Modeling and Simulation; Requirement Engineering; Testing and Verification.

**Honorary Chair:** Prof. Alessandro De Gloria

**General Chair:** Prof. Riccardo Berta

**Program Committee:**

<http://applepies.eu/organization>

**Conference location:**

Genova, Polytechnic School