

Computational Intelligence for Pervasive Systems

**August 12-15, 2018, Athens, Greece**

**The 16th IEEE International Conference on**

**Pervasive Intelligence and Computing (PICom 2018)**

**Organizing Committee**

**General Chairs**

Flavia C. Delicato, *Federal U of Rio de Janeiro, Brazil*

Nikolaos Doulamis, *Nat Tech Univ. of Athens, Greece*

**General Executive Chairs**

Klimis Ntalianis, *Athens U of Applied Sciences*, *Greece*

Liqiang Wang, *University of Central Florida*, *USA*

**Program Chairs**

Giancarlo Fortino, *University of Calabria, Italy*

Pietro Manzoni, *Univ. Politecnica de Valencia, Spain*

Qiang Yang, *Zhejiang University, China*

Vana Kalogeraki, *Athens U of Economics and Business*

**Workshop and Special Session Chairs**

Tie Qiu, *Dalian University of Technology, China*

Andreas Panayides, *University of Cyprus*

**Publicity Chairs**

Aline Carneiro Viana, *INRIA, France*

Kazuaki Tanaka, *Kyushu Inst. of Technology, Japan*

Igor dos Santos, *Federal U of Rio de Janeiro, Brazil*

Wei Li, *University of Sydney, Australia*

Yaoqing Liu, *Clarkson University, USA*

**Local Arrangement Chair**

Nikolaos Mastorakis, *Hellenic Naval Academy, Greece*

**Advisory Committee Chairs**

Samee U. Khan,*North Dakota State University, USA*

Constantinos S. Pattichis, *University of Cyprus*

**Steering Committee**

Jianhua Ma, *Hosei University, Japan*

Laurence T. Yang, *St. Francis Xavier Univ., Canada*

Adnan Al-Anbuky, *Auckland U of Tech., New Zealand*

Over the last fifty years, computational intelligence has evolved from logic-based artificial intelligence, nature-inspired soft computing, and social-oriented agent technology to cyber-physical integrated ubiquitous intelligence towards Pervasive Intelligence (PI). The International Conference on Pervasive Intelligence and Computing is intended to cover all kinds of these intelligent paradigms as well as their applications in various pervasive computing domains. PICom-2018 is the conference on Pervasive Intelligence and Computing, previously held as PCC (Las Vegas, USA, 2003 and 2004), PSC (Las Vegas, USA, 2005), PCAC (Vienna, Austria, 2006, and Niagara Falls, Canada, 2007), IPC-2007 (Jeju, Korea, December 2007), IPC-2008 (Sydney, Australia, December 2008), and since 2009 as the name PICom. IEEE PICom 2018 will be held on 12-15 August 2018 in Athens, Greece, co-located with IEEE CyberSciTech 2018, IEEE DASC 2018 and DataCom 2018. It aims to bring together computer scientists and engineers, to discuss and exchange experimental and theoretical results, work-in-progress, novel designs, and test-environments or test-beds in the important areas of Pervasive Intelligence and Computing.

**IEEE PICom 2018 Topics**

* Deep Learning and Deep Computation
* Big Data and Smart Data
* Brain-inspired Computing
* Crowd Souring and Intelligence
* Social Intelligence and Computing
* Agent-based Computing
* Ubiquitous Intelligence
* Cyber-Physical Computing
* The Internet of Things
* Cloud of Things and Cloud of Sensors
* Embedded HW, SW & Systems
* Pervasive Devices and RFIDs
* Wearable Devices and Applications
* Sensor Technology and Networks
* Pervasive Networks/Communications
* Edge and Fog Computing
* Mobile Edge Computing (MEC)
* Device Virtualization
* Privacy, Security and Trust
* Context-Aware Computing
* Mobile Data Mining
* Ubiquitous Data Mining
* Activity Recognition
* Cloud Computing
* Services for Pervasive Computing
* Smart Cities and Smart Homes
* Intelligent Social Networking
* Pervasive Technologies for ITS
* HCI for Pervasive Computing
* Mobile Data Modeling
* Middleware for Pervasive Computing
* Intelligent/Smart IoT
* Programming Abstractions for IoT
* Semantic Analysis

**IMPORTANT DATES**

**Workshop Proposal Due: Feb. 10, 2018**

**Regular Paper Submission Due: Mar. 30, 2018**

**Wksp/SS/Poster Paper Due: May 05, 2018**

**Authors Notification: May 20, 2018**

**Camera-ready Submission:** **June 15, 2018**



**Sponsored by**

**Three Co-located Conferences**

* The 3rd IEEE Cyber Science and Technology Congress (**CyberSciTech** 2018)
* The 16th IEEE Conf. on Dependable, Autonomic & Secure Computing (**DASC** 2018)
* The 4th IEEE Int'l Conf. on Big Data Intelligence and Computing (**DataCom** 2018)

**IEEE PICom 2018 Calls for**

* Papers that must be submitted electronically via the 2018 conference website
* Workshop & Special Session Proposals related to pervasive intelligence/comp
* Tutorial Proposals addressing the emerging areas within the conference scope

**Supported by**



Accepted conference papers will be published by IEEE (IEEE-DL and EI indexed) in Conference Proceedings. Best Paper Awards will be presented to high quality papers. Selected papers will be recommended to prestigious journal special issues.

**IEEE PICom 2018 Website**: http://cyber-science.org/2018/picom/