

# The 16th IEEE International Conference on Pervasive Intelligence and Computing (PICom 2018)

August 12-15, 2018, Athens, Greece



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## IMPORTANT DATES

**Workshop Proposal Due:** Feb. 10, 2018  
**Regular Paper Submission Due:** Mar. 30, 2018  
**Wksp/SS/Poster Paper Due:** April 30, 2018  
**Authors Notification:** May 20, 2018  
**Camera-ready Submission:** June 15, 2018

## Computational Intelligence for Pervasive Systems

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

## 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**)

## Supported by



## 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

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/>