IEEE PICom 2019
The 17th IEEE International Conference on Pervasive Intelligence and Computing

August 5 - 8, 2019, Fukuoka, Japan http://cyber-science.org/2019/picom/

提供：福岡市

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IMPORTANT DATES
Workshop/SS Proposal Due:	**Jan. 20, 2019**
Regular Paper Submission Due:	**Mar. 20, 2019**
WiP/Wksp/SS/Poster Paper Due:	**Apr. 20, 2019**
Authors Notification:	**May 25, 2019**
Author/Paper Registration:	**June 15, 2019**
Camera-ready Submission:	**June 20, 2019**

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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-2019 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 2019 will be held on 5-8 August 2019 in Fukuoka, Japan, co-located with IEEE DASC 2019, CBDCom 2019, and IEEE CyberSciTech 2019. 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 2019 Tracks and Topics

Track 1: Computational Intelligence **Track 2: Intelligent Networks & Internet of Things**
Track 3: Pervasive & Embedded Computing **Track 4: Intelligent Middleware & Applications**
Track 5: Activity Recognition and Ubiquitous Systems

✧ Deep Learning and Deep Computation	✧ Device Virtualization
✧ Big Data and Smart Data	✧ Privacy, Security and Trust
✧ Brain-inspired Computing	✧ Context-Aware Computing
✧ Crowdsourcing and Social Computing	✧ Mobile Data Mining
✧ Collective Intelligence	✧ Ubiquitous Data Mining
✧ Agent-based Computing	✧ Activity Recognition
✧ Ubiquitous Intelligence	✧ Intelligent 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 and 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

IEEE PICom 2019 Calls for

- ✓ Workshop and Special Session Proposals, submitted to the wksp/ss chairs
- ✓ Regular conference paper: 6 - 8 pages, submitted to one of five tracks in EDAS system
- ✓ WiP/workshop/special session paper: 4-6 pages, and poster paper: 2-4 pages
- ✓ All submissions in the IEEE CS proceedings format

All accepted 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.

Three Co-located Conferences

- ◆ The 4th IEEE Cyber Science and Technology Congress (**CyberSciTech** 2019)
- ◆ The 17th IEEE Conf. on Dependable, Autonomic & Secure Comp (**DASC** 2019)
- ◆ The 5th IEEE Int'l Conf. on Cloud and Big Data Computing (**CBDCom** 2019)