

=====CALL FOR PAPERS=====

IEEE PICom 2021 - The 19th IEEE International Conference on Pervasive Intelligence and Computing (PICom 2021) -
<http://cyber-science.org/2021/picom/>

Oct. 25-28, 2021, Online

Sponsored by IEEE, IEEE Computer Society

Supported by IEEE Technical Committee of Scalable Computing (TCSC),
IEEE SMC TC on CyberMatics and IEEE CIS Smart World TC

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IMPORTANT DATES (NEW)

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Main Conference Papers:

Paper Submission Due: July 01, 2021
Authors Notification: Aug. 01, 2021
Camera-ready Submission: Sept. 1, 2021

Workshop /Special Session Papers:

Submission Due: August 8, 2021.
Author Notification Due: September 6, 2021
Camera-ready Submission: Sept. 20, 2021

INTRODUCTION

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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 2021 will be held on 20-23 August 2021 in Calgary, Canada, co-located with IEEE DASC 2021, CBCom 2021 and IEEE CyberSciTech 2021. 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.

TRACKS AND TOPICS

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Track 1: Computational Intelligence

Track 2: Intelligent Networks, Middleware and Applications

Track 3: Pervasive Computing and Activity/Affect Recognition

Track 4: Smart Object, Environment, System and City

Topics of interests include, but are not restricted to:

•* Deep Learning and Deep Computation

* Big Data and Smart Data

* Brain-inspired Computing

* Crowdsourcing and Social Computing

* Collective Intelligence

* Agent-based Computing

* Ubiquitous Intelligence

* Cyber-Physical Computing

* The Internet of Things

* Cloud of Things and Cloud of Sensors

* Embedded HW, SW and 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

- * Intelligent 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

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 IEEE PICOM 2021 CALLS FOR

- * Regular conference paper: 6 - 8 pages, submitted to one of five tracks
- * WiP/workshop/special session paper: 4-6 pages, and poster paper: 2-4 pages
- * Late breaking innovation paper: We seek the latest research and development work. The submission can be of any type, and will be allocated by the Program Chair to a suitable Regular, Work-in-Progress, or Poster tracks
- * All submissions in the IEEE CS proceedings format
- * Papers should be submitted via EDAS <https://www.edas.info/newPaper.php?c=28402>) in the proper track.

PROCEEDINGS

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

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THREE CO-LOCATED CONFERENCES

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* The 6th IEEE Cyber Science and Technology Congress (CyberSciTech 2021)

* The 19th IEEE Conf. on Dependable, Autonomic & Secure Comp (DASC 2021)

* The 7th IEEE Int'l Conf. on Cloud and Big Data Computing (CBDCom 2021)

Hosted by Athabasca University, Canada