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PIS 2017 - Workshop on **Pervasive Information Systems**

11- 13 April, 2017 – Porto Santo, Portugal

In conjunction with the 5th World Conference on Information Systems and Technologies - WorldCIST'17

http://www.worldcist.org/index.php/workshops/pis

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Scope

WorldCIST'17 – 5th World Conference on Information Systems and Technologies, to be held at Porto Santo, Portugal, 11 – 13 April 2017, is a global forum for researchers and practitioners to present and discuss the most recent innovations, trends, results, experiences and concerns in the several perspectives of Information Systems and Technologies.

Pervasive Information Systems (PIS) extend the Information System paradigm by introducing a set of novel characteristics into the society. This workshop aims to discuss topics related to PIS, evaluate the importance for the society and the creation of new knowledge overcoming temporal and local barriers. This workshop is focused on demonstrating how to take advantages from this new sort of information systems and which kind of solutions can be developed in order to support the decision making process anywhere and anytime. PIS 2016 is the ideal place for bringing together the researchers who are working in this particular area of information systems in order to promote discussion and explore new scope of scientific contributions.

Having conscience of the most recent situation in Europe and the Horizon 2020 strategy, a deeper analysis should be made on this emerging topic. Authors are invited to submit unpublished work, contributing with research papers, case studies and demonstrations that present original scientific results, methodological aspects, concepts and approaches in the multidisciplinary field of PIS. Authors should present new trends, discuss future challenges and understand how information affects the way humans interact with the built environments occupied by them.

Topics

Workshop topics include, but are not limited to:

- Decision Support Systems;
- Interoperability and Pervasiveness;
- Life-styling pervasive solutions;
- Mobile and ubiquitous solutions;
- Pervasive Business Intelligence;
- Pervasive environments and software architectures;
- Pervasive Information Systems Applied to society solutions (e.g. Healthcare, Finances, Education, Government);
- Pervasive Intelligent Decision Support Systems;
- Pervasive Intelligent Systems;
- Pervasive Systems Based on Cloud Computing;
- Pervasiveness and Security in Information Systems;
- Sensor-based systems;
- Ubiquitous Data Mining;
- Ubiquitous devices in the storage, update, and transmission of data.
- Usability and acceptability of pervasive system;

Submission and Paper Format

Submissions must be of one of two types:

Full paper: Finished and consolidated R&D works. These papers are assigned a 10-page limit; and *Short paper:* Ongoing works with relevant preliminary results open to discussion. These papers are assigned a 7-page limit.

Submitted papers must comply with the format of Advances in Intelligent Systems and Computing Series (see Instructions for Authors at Springer Website or download a DOC example) be written in English, must not have been published before, not be under review for any other conference, workshop or publication and not include any information leading to the authors' identification. Therefore, the authors' names, affiliations and bibliographic references should not be included in the version for evaluation by the Program Committee. This information should only be included in the camera-ready version, saved in Word or Latex format and also in PDF format. These files must be accompanied by the Publication form filled out, in a ZIP file, and uploaded at the conference management system.

All papers will be subjected to a "double-blind review" by at least two/three members of the Program Committee. Based on Program Committee evaluation, a paper can be rejected or accepted by the Conference Chairs. In the later case, it can be accepted as the type originally submitted or as another type. Thus, full papers can be accepted as short papers. The authors of accepted full papers will have 15 minutes to present their work in a Conference Work Session; approximately 5 minutes of discussion will follow each presentation. The authors of accepted short papers and company papers will have 11 minutes to present their work in a Conference Work Session; approximately 4 minutes of discussion will follow each presentation.

All papers should be submitted using the EasyChair system, available in the following link: https://easychair.org/conferences/?conf=worldcist_workshops2017 and select the PIS Workshop

Publication and Indexing

Workshop papers will be published in the Springer Conference Proceedings. To ensure that a paper is published in the Proceedings, at least one of the authors must be fully registered by 08th of January 2017, and the paper must comply with the suggested layout and page-limit. Additionally, all recommended changes must be addressed by the authors before they submit the camera-ready version. No more than one paper per registration will be published in the Conference Proceedings. An extra fee must be paid for publication of additional papers, with a maximum of one additional paper per registration.

Full and short papers will be published in the Conference Proceedings by Springer, in Advances in Intelligent Systems and Computing. Published full and short papers will be submitted for indexation by ISI, EI-Compendex, SCOPUS and DBLP, among others, and will be available in the SpringerLink Digital Library. Extended versions of the best papers accepted and presented at this workshop may be considered for publication in a Special Issue of a renowned international journal indexed by ISI, SCOPUS and DBLP.

Important Dates

- **Deadline for paper submission**: November 13, 2016
- **Notification of paper acceptance**: December 25, 2016
- **Deadline for final versions and conference registration**: January 8, 2017
- **Workshop / Conference dates**: April 11 -13, 2017

Workshop Co-Chairs

Carlos Filipe Portela – University of Minho, Portugal
Manuel Filipe Santos – University of Minho, Portugal
Kostas Kolomvatsos, National and Kapodistrian University of Athens, Greece