

PECCS 2011

1st International Conference on Pervasive and Embedded Computing and Communication Systems

Vilamoura is the name given to an area rather than to any actual town. It is outstanding in that it is one of the largest single tourist complex in Europe and covers some 2.000 hectares of land. The land is variable in its vegetation, some parts covered in pine forests whilst others open recovered marshland.

Vilamoura is a special place, a unique leisure and recreation resort community where the pace of life is so easy it feels like summer all year round.

Located in the middle of the Algarve coast, within 15Km of the main airport at Faro, Vilamoura's accessibility has helped it become one of Europe's largest beach resorts.

Vilamoura Marina is one of the main centres of attraction in the Algarve, offering a wide range of tourist and leisure activities. With about 1,000 berths, this is the largest and most important marina in Portugal and it is an important landmark on the national and international recreational boating scene. It is surrounded by large Hotels and Luxury holiday homes as well as a large casino and numerous restaurants and vibrant bars. At the far corner of the marina, it is possible to charter boats for big game fishing and for jet skiing.

For a rather small region, less than 200 kilometers in length & 50 kilometers wide, the Algarve has a truly fascinating historic tale to tell. Every place in the Algarve has its own unique character, offering totally different scenery, experiences, activities and gastronomic delights.

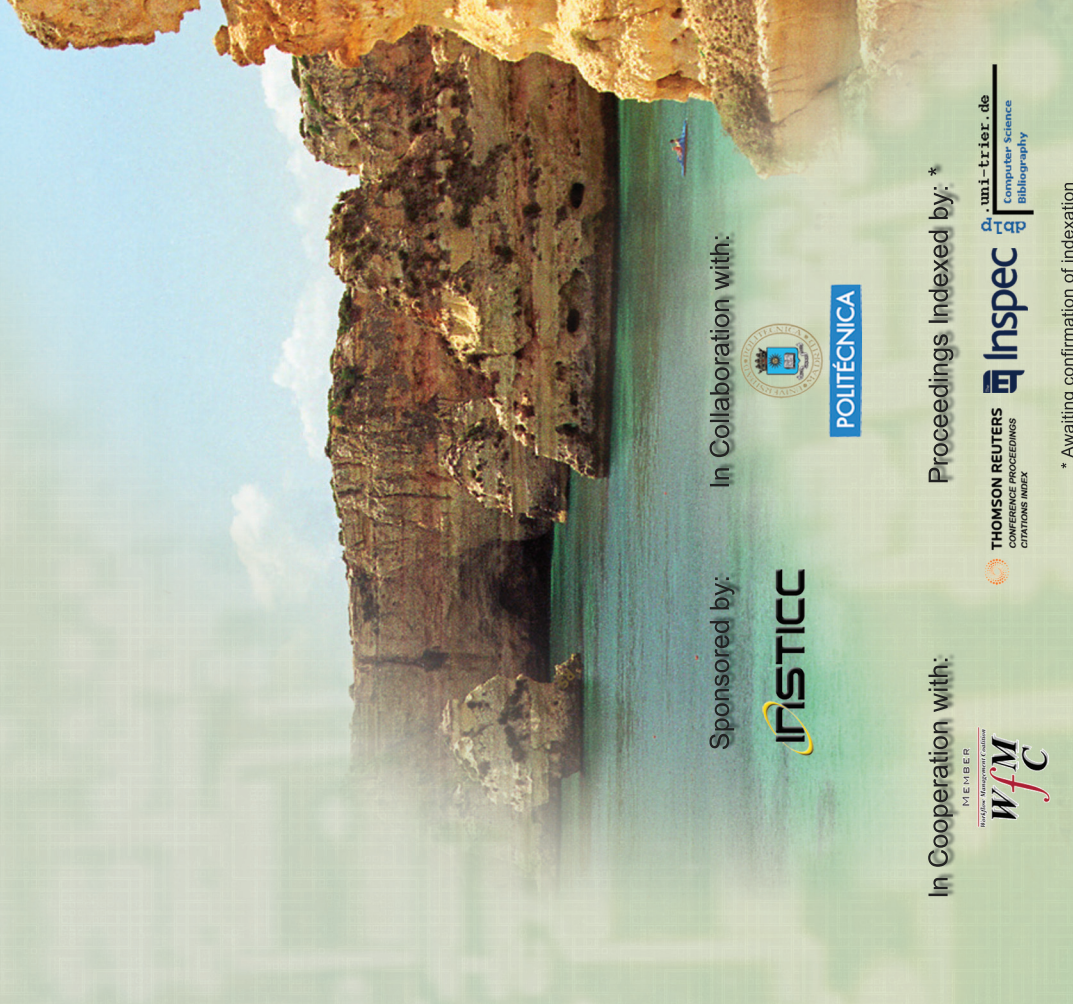
PECCS 2011

1st International Conference on Pervasive and Embedded Computing and Communication Systems

<http://www.peccs.org>

CALL FOR PAPERS

Algarve, Portugal
5 - 7, March



Address:

Tivoli Victoria - Vilamoura
Av. dos Descobrimentos n.º 0
Victoria Gardens, Apartado 665
8125-309 Vilamoura
Portugal

Tel: (+351) 289 317 000

Fax: (+351) 289 317 345

GPS Coordinates

37° 06' 15.66" N, 08° 08' 30.41" W

How to get there:

By plane:

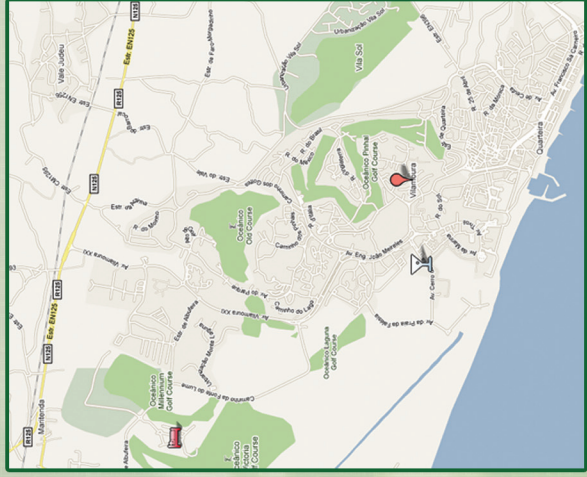
Faro International Airport is located about 7 km (4.4 miles) to the west of Faro, on the south coast of Portugal, in the Algarve region.

Once in Portugal, at the airport:

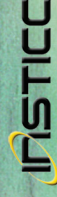
→ By bus:

- 1 - Take bus nr. 14 or 15 to the center of Faro
- 2 - Once in the city centre, take the bus to Vilamoura

→ By taxi



Sponsored by:



In Collaboration with:

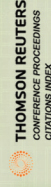


POLITÉCNICA

In Cooperation with:



Proceedings Indexed by: *



<http://www.peccs.org>

* Awaiting confirmation of indexation

Important Dates

Regular Paper Submission: October 21, 2010

Authors Notification (regular papers): December 22, 2010

Final Regular Paper Submission and Registration: January 12, 2011

Scope

Pervasive and embedded computing and communication is a paradigm that aims at providing trustworthy computing solutions and communication services all the time and everywhere. This entails the need for an interdisciplinary field of R&D that utilizes and integrates pervasive, wireless, embedded, wearable and/or mobile technologies. Intelligent software systems and technologies involving some sort of digital signal processing are present in many applications. Embedded and ubiquitous computing and communication systems are now invading every aspect of our daily life and are expected to profoundly change our life in the near future. The availability of small, low-cost, and low-power sensors, radios, and microcontrollers has triggered a huge wave of research in networked embedded sensing systems. The currently emerging cyber-physical systems community emphasizes the integration of actuation and control, leading to the need for secure, private, and reliable computing and communication services. Papers describing original work are invited in any of the areas listed below. Accepted papers, presented at the conference by one of the authors, will be published in the proceedings of PECCS. Acceptance will be based on quality, relevance and originality. There will be both oral and poster sessions. Special sessions, dedicated to case-studies and commercial presentations, as well as technical tutorials, dedicated to technical/scientific topics, are also envisaged: companies interested in presenting their products/methodologies or researchers interested in lecturing a tutorial are invited to contact the conference secretariat.

Publications

All accepted papers will be published in the conference proceedings, under an ISBN reference, on paper and on CD-ROM support. Indexation by INSPEC, DBLP and Thomson Reuters Conference Proceedings Citation Index is awaiting confirmation.

Keynote Speakers

Norbert Streitz, Smart Future Initiative, Germany

Paper Submission

Authors should submit an original paper in English, carefully checked for correct grammar and spelling, using the on-line submission procedure. The initial submission must have between 3 to 13 pages otherwise it will be rejected without review. Please check the paper formats page so you may be aware of the accepted paper page limits.

The guidelines for paper formatting provided at the conference web ought to be used for all submitted papers. The preferred submission format is the same as the camera-ready format. Please check and carefully follow the instructions and templates provided. Each paper should clearly indicate the nature of its technical/scientific contribution, and the problems, domains or environments to which it is applicable.

Papers that are out of the conference scope or contain any form of plagiarism will be rejected without reviews.

Paper submission types:

Regular Paper Submission:

A regular paper presents a work where the research is completed or almost finished. It does not necessary means that the acceptance is as a full paper. It may be accepted as a "full paper" (30 min. oral presentation), a "short paper" (20 min. oral presentation) or a "poster".

Position Paper Submission:

A position paper presents an arguable opinion about an issue. The goal of a position paper is to convince the audience that your opinion is valid and worth listening to, without the need to present completed research work and/or validated results. It is, nevertheless, important to support your argument with evidence to ensure the validity of your claims. A position paper may be a short report and discussion of ideas, facts, situations, methods, procedures or results of scientific research (bibliographic, experimental, theoretical, or other) focused on one of the conference topic areas. The acceptance of a position paper is restricted to the categories of "short paper" or "poster", i.e. a position paper is not a candidate to acceptance as "full paper".

Camera-ready:

After the reviewing process is completed, the contact author (the author who submits the paper) of each paper will be notified of the result, by e-mail. The authors are required to follow the reviews in order to improve their paper before the camera-ready submission.

PECCS Secretariat

Address: Av. D. Manuel I 27A 2ªesq.

2910-595 Setúbal - Portugal

Tel.: +351 265 520 185

Fax.: +44 203 149 592

e-mail: peccs.secretariat@insticc.org

Web: <http://www.peccs.org/>

Conference Areas

Each of these topic areas is expanded below but the sub-topics list is not exhaustive. Papers may address one or more of the listed sub-topics, although authors should not feel limited by them. Unlisted but related sub-topics are also acceptable, provided they fit in one of the following main topic areas:

1. Mobile and Pervasive Computing
2. Digital Signal Processing
3. Embedded Systems Design

Area 1: Mobile and Pervasive Computing

- * Security and Privacy
- * Ambient Intelligence
- * Ubiquitous Computing Systems and Services
- * Human-Computer Interaction
- * Context-Aware Applications
- * Pervasive Health
- * Distributed Intelligent Agents
- * Mobile Computing
- * Ubiquitous Multimedia
- * Location Systems and Technology
- * Pervasive Embedded Networks

Area 2: Digital Signal Processing

- * Time-Frequency Analysis
- * Signal Processing in Communications
- * Detection and Estimation
- * Image and Multidimensional Signal Processing
- * Multimedia Communication Systems
- * Audio and Speech Processing
- * Remote Sensing and Signal Processing
- * Adaptive Systems
- * Wavelet Signal Processing
- * Digital Filter Design and Implementation
- * Software Simulation

Area 3: Embedded Systems Design

- * Software architectures
- * Pervasive Embedded Devices
- * Networking and Connectivity
- * Micro and Nanotechnology
- * Real time systems
- * RF and Wireless Circuits
- * VLSI Design and Implementation
- * Low-Power Electronics
- * Embedded Robotics
- * Instrumentation and Measurement
- * Sensors and Sensor Networks

Best Paper Award

Best Paper Awards will be given to the author(s) of a full paper presented at the conference, selected by the Organizing Committee based on the best combined marks from the Program Committee and Session Chairs.

The awards will be announced and given at the conference closing session.

Workshops and Special Sessions

Workshops and Special Sessions are also invited. If you wish to propose a workshop or a special session, based for example on the results of a specific research project, please contact the conference secretariat. Workshop chairs and Special Session chairs will benefit from several types of support, including logistics, secretariat and financial, to facilitate the development of a valid idea.

Venue

In Portugal, at the marvelous Algarve, you may find the best place to stay, the Tivoli Victoria Hotel Vilamoura. Overlooking one of Europe's best golf courses, this elegant resort is just a short drive from Vilamoura's marina and impresses with its countless leisure facilities. The Tivoli Victoria, is an impressive hotel located in the upmarket beach resort of Vilamoura. One of its main selling points is the panoramic view over the fairways of the new Victoria golf course, designed by the legendary golfer and architect Arnold Palmer and also known as one of the best courses in Europe.

This luxury hotel in Vilamoura offers excellent facilities and quality service ensuring guests a memorable stay in Portugal.

Conference Chair

Joaquim Filipe

Polytechnic Institute of Setúbal / INSTICC
Portugal

Program Chair

César Benavente-Peces

Universidad Politécnica de Madrid
Spain