



# 3<sup>rd</sup> Doctoral Conference on Computing, Electrical and Industrial Systems

## Preliminary Call for Papers

27-29 February 2012 | Caparica, Lisbon - Portugal

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SOCOLNET – Society of Collaborative Networks



IFIP WG5.5



IEEE – Industrial Electronics Society

### Organizational Co-sponsors



New University of Lisbon  
Faculty of Sciences and Technology



Organized by: PhD Program on Electrical and  
Computer Engineering FCT-UNL

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## Technological Innovation for Value Creation

Centered on a timely and relevant theme of 'Technological Innovation for Value Creation', the 3<sup>rd</sup> Doctoral Conference on Computing, Electrical and Industrial Systems (DoCEIS'12), brings the importance of society-valued technologies under the spotlight. Such technologies can leverage economic transformation, create value in the society and ultimately improve individuals' lives.

DoCEIS' 12 is aimed as an international forum for presentation of research results coming out of PhD works, and a space for discussion of post-graduation studies, PhD thesis plans, and practical aspects of a PhD work. Among other activities, it includes:

- Presentation of research results by PhD students (co-authored by their supervisors)
- Tutorials by invited experts on scientific, methodological, or soft skills topics.
- Presentation and discussion of the base ideas of the thesis plans.
- Discussion of the scientific and technical challenges in the several Electrical and Computer Engineering specialization areas.
- Sharing of experiences among PhD students from different regions.
- Forum on practical aspects (e.g. Publications, job market, careers, etc.).
- Creation of collaborative (social) networks.

Prospective authors of **research papers** are invited to submit their manuscripts reporting original work, in any of the scientific areas of the conference. Papers describing advanced prototypes, systems, tools and techniques and general survey papers indicating future directions are also encouraged.

Following the successful previous editions, proceedings are expected to be published by **Springer**, IFIP AICT series (indexed in **Web of Science**). Best papers will be considered for possible inclusion in a special journal issue.

There will be also **poster discussion** sessions regarding thesis plans. These sessions are designed in order to provide early feedback to PhD candidates in the initial phase of their studies.

### Topics of interest include, but are not limited to

- Computational and Perceptual Systems
- Control and Decision
- Electronics
- Energy
- Enterprise Collaborative Networks
- Industry Information System
- Robotics and Integrated Manufacturing
- Signal Processing
- Telecommunications

#### Guidelines for paper preparation

- Clear formulation of the research question and its motivation
  - State of the art / related literature
  - Research contribution and innovation
  - Discussion of results and critical view
  - Conclusions and further work
  - References
- Spotlight how the work contributes to the main theme of the conference.

### Important Dates

Submission of short abstracts for research papers:	Now
Submission of full research papers:	Oct 07, 2011
Notification of acceptance of research papers:	Nov 04, 2011
Camera ready research papers:	Nov 27, 2011
Submission of posters with thesis plans:	Dec 31, 2011
Notification of acceptance of posters:	Jan 20, 2012
Camera ready of accepted posters:	Jan 31, 2012

### Location

*Note: research paper selection will be based on full text, double blind review.*

The Conference will be held near Caparica beach, south of Lisbon, the capital of Portugal. Lisbon has a population of one million inhabitants, is a modern city, which has a lot to offer both in terms of history, culture and social life. It stands on the westernmost point of the European continent, where the Tagus river flows into the Atlantic Ocean. Its Atlantic climate, with some Mediterranean influences, is probably the mildest of all European capitals.

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