Editorial

This Special Issue on Electrical and Computer Engineering includes selected papers from the 1st edition of the Symposium on Electrical and Computer Engineering (ECE 2015), one of the symposia included in the 1st Doctoral Congress in Engineering, held at FEUP, 11-12 June, 2015. ECE 2015 was an important forum for presenting the research activities of ECE students, particularly from the Doctoral Program in Electrical and Computer Engineering, at FEUP (PDEEC).

ECE 2015 received a total of 42 two-page abstracts. The review process was carried out by members of the Symposium Scientific Committee and other reviewers. Each abstract was reviewed by at least two reviewers, and checked by the Program Committee. 37 abstracts were finally accepted and appear in the Symposium book of abstracts. From the 37 abstracts, 17 were presented in four oral sessions, and 20 in one poster session.

We were very pleased to include two keynote talks: "The Internet of Things - Latest Trends and Future Perspectives" by Carlos Azeredo Leme, University of Lisbon, Portugal; "A Perspective on Virtual Radio Access Networks" by Luís M. Correia, University of Lisbon, Portugal.

Six papers were invited to submit extended versions to this special issue, that were further reviewed. After the review process, this Special Issue on Electrical and Computer Engineering includes the following articles:

- P. V. Santos, José Carlos Alves, João Canas Ferreira, *A Reconfigurable Custom Machine for Accelerating Cellular Genetic Algorithms*.
- Rui Fernandes, M. T. Andrade, *Multimedia content classification metrics for content adaptation*.
- João Moutinho, Diamantino Freitas, Rui Esteves Araújo, *Indoor Localization Using Barely Perceptible Audio Signals*.
- João C. Monteiro, Tiago Freitas, Jaime S. Cardoso, *Multimodal Hierarchical Face Recognition using Information from 2.5D Images*.
- Phillipe Vilaça Gomes, João Tomé Saraiva, *Comparative Analysis of Constructive Heuristic Algorithms for Transmission Expansion Planning*.

We would like to sincerely thank the authors for submitting these extended versions, and we thank the special issue reviewers for the careful evaluation and feedback provided to the authors. We also would like to express our gratitude to Luís Miguel Costa, for supporting the organization of this Special issue of the U.Porto Journal of Engineering.

Finally, we are very pleased to give the readership of this Special Issue on ECE examples of the research developed by PDEEC students, from a vast area covered by the Electrical and Computer Engineering at FEUP and at the associated research institutes and research centers.

July 2016,
Aurélio Campilho
PDEEC Director