

DoCEIS 2021 - 12th Advanced Doctoral Conference on Computing, Electrical and Industrial Systems

July 07-09, 2021, Caparica (Lisbon) - Portugal [ONLINE]

<http://doceis.dee.fct.unl.pt/>

Technological Innovation for Applied Artificial Intelligence Systems

The Advanced Doctoral Conference on Computing, Electrical and Industrial Systems is celebrating its 12th edition (DoCEIS 2021) with a focus on Technological Innovation for Applied Artificial Intelligence Systems.

Artificial Intelligence (AI) is rebuilding and changing society's basic constructs - such as economy, health, education and lifestyle - through the implementation of intelligent algorithms on everyday applications and promoting technological advancements that allow for a better and more sustainable quality of life. AI techniques (e.g. machine learning and deep learning, automated planning, and reasoning) can be applied to several knowledge areas, from electronics and energy to the biomedical field and industrial collaborative networks, providing several advantages that make AI a paramount tool for both industrial and research innovation.

DoCEIS 2021 will target Applied Artificial Intelligence Systems, providing a forum where Doctoral Students, Researchers and Academicians have the opportunity to share and discuss their work and ideas in a multidisciplinary context, while creating collaborative opportunities for future work and research.

Key activities of the conference include:

- 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's plans.
- Discussion of the scientific and technical challenges in the Electrical and Computer Engineering areas.
- Sharing of experiences among PhD students from different geographical regions.
- Forum on practical aspects (e.g. Publications, job markets, careers, etc.).
- Creation of collaboration (social) networks.

Prospective authors are invited to submit research 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. Nevertheless, each paper must make a clear link to the main theme of the conference, including a section describing that link.

Proceedings are expected to be published by Springer, IFIP AICT series (indexed in Web of Science, SCOPUS and DBLP). Best papers will be considered for possible inclusion in a special journal issue. There will also be poster discussion sessions regarding thesis plans, which will provide early feedback to PhD candidates in the initial phase of their studies.

The scope of the conference will cover, but will not be limited to, the following topics:

- Computational and Perceptual Systems
- Energy
- Enterprise Collaborative Networks
- Electronics

- Signal Processing
- Embedded Intelligence
- Smart Biotechnology
- Robotics and Integrated Manufacturing
- Digital transformation
- Telecommunications
- Biomedical Engineering
- Cyber-Physical Systems

Important Deadlines

- Now – Abstract submission
- 12 Feb 2021 – Full paper submission
- 27 Mar 2021 – Author notification
- 09 Apr 2021 – Camera Ready Submission

For additional information, please visit the web page: <http://doceis.dee.fct.unl.pt/>