



International Conference on Computers & Industrial Engineering CIE45



Call for papers -- Special Session on: Artificial Intelligence in Medicine for CIE45 October 28-30, 2015 - Metz, France

Session chair

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Session description

Medicine is a field in which such help is critically needed. Innovative and intelligent software can be deployed in order to improve medical research, disease prevention, and healthcare service delivery. Every day medicine is facing new challenges: new therapeutics, new diseases, cost reductions, quick decisions and make more with less. Artificial Intelligence (AI) can play an important role in the decision making process, most concretely in the way the data of the patients are collected, treated, processed and presented as well to test and simulate new treatments, scenarios and devices. AI and Big Data are a growing trend across the medical sector. Together they promise to provide individuals a better understanding of their health and treatment plans, as well as easier access to care. The big question to be answered is: How AI and Big Data can provide new and efficient solutions to medicine? Topics of interest include, but are not limited to, the following topics:

- ▶ Automated reasoning and metareasoning in medicine
- ▶ AI-based clinical decision making
- ▶ Medical knowledge engineering
- ▶ Knowledge-based and agent-based systems
- ▶ Methodological, philosophical, ethical, and social issues of AI in medicine

Submission

Please submit your full paper on the EasyChair website:

<https://easychair.org/conferences/?conf=cie45>

May 31, 2015: deadline for paper submission

June 21, 2015: notification of acceptance/reject

July 15, 2015: deadline for final paper

August 16, 2015: deadline for registration.

Practical information

All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 8 pages (in the standard CIE conference format). For up-to-date information and paper submission, please visit the conference submission page:

<https://easychair.org/conferences/?conf=cie45>

The proceedings of CIE 45 will be published on the web page of the conference and that of Computers & Industrial Engineering. They carry the identifier ISSN of 2164-8670 for the CD-ROM version and 2164-8689 for the Online version. A special issue of the international journal "COMPUTERS & INDUSTRIAL ENGINEERING" will be dedicated to the best papers presented at the conference after rigorous reviews.

For any practical issue please write to: cie45@easychair.org

