Building Up a Global Sustainable Information Society

The information technologies have shown an ever growing capacity to perform operations we could not even dream of some decades ago. During this time, we have witnessed a constant growth of the interconnectivity of agents in a thriving global network in which the algorithmic capacity of the nodes and the intensity of the interaction have continuously increased. As a consequence, this global network evolves as an ecosystem in which our lives are more and more immersed, and our destinies are increasingly entangled, as it happens with the lives of the organisms evolving in a dense ecosystem.

The question is whether the conditions of this global life are given to evolve towards a sustainable future. Namely a future in which the needs of the so called information society can be attended, a sustainable future without exclusion and oppression, a sustainable future in which it is not taken from nature more than what is given back. The design, development and implementation of the information technologies has a profound consequence on these dynamics. The technological development is not an end in itself, it has to prove its applicability in the solution of human needs, in the building up of a sustainable information society at a global scale.

Under this broad focus, we call for contributions to the next edition of the *International Congress on Applied Informatics* to be held in Madrid, next November (ICAI-2019, http://icai.itiud.org/). Aware of the multifarious tasks to be accomplished in the endeavour of building up a global sustainable information society, ranging from artificial intelligence to information ethics, from bioinformatics to education, from data science to co-creation of knowledge... ICAI aims at bringing together researchers and practitioners interested in the broad-spectrum of topics referred bellow.

Submitted papers, to be published in *Communications in Computer and Information Science (CCIS) series* (Springer, with JCR and Scopus indexing), should be related to one or more of the ICAI's topics:

- Artificial Intelligence
- Bioinformatics
- Cloud Computing
- Data Analysis
- Decision Systems
- Business Analytics
- Enterprise Information Systems Applications
- Health Care Information Systems
- Geoinformatics

- Management Cybernetics
- Information Management for Sustainable Organisations
- e-Participation
- e-Democracy
- ICT-Enabled Social Innovation
- Disruptive Technologies in Public Administrations
- Co-creation of Public Services
- ICT-Enabled Hybrid Services

- Territorial Intelligence Systems
- Mobile Information Processing Systems
- Robotic Autonomy
- IT Architectures
- Software and Systems Modelling
- Software Architectures
- Software Design Engineering
- Information Ethics
- Ethic and policies for a digitalized world
- Information Society
- The Digital Transformation of Society
- ICTs & Society
- Social and Behavioural Applications
- Interdisciplinary Information Studies
- Knowledge Integration
- Knowledge co-creation
- Scientometrics
- ICTs in Education
- Learning Management Systems
- Videogames development
- Videogames and Education
- Gamification and serious games
- Engineering Education
- Educational Technology
- Applied Informatics for less developed countries

Important Dates

- **Paper Submission**: ~~June 16~~th, extended to: June 30th
- Paper Notification: July 14th
- Camera Ready: August 11th
- Authors Registration: August 11th
- Congress: November 7-9th

Submission Guidelines

Authors must submit an original full paper (12 to 15 pages using the template) that has not previously been published. All contributions must be written in English. Authors should consult Springer's authors' guidelines and use their proceedings templates, either for LaTeX or for MSWord, for the preparation of their papers:

http://www.springer.com/la/computer-science/lncs/conference-proceedings-guidelines).

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Besides the proceedings in CCIS, other publication venues are previewed, as several special issues in peer-reviewed indexed journals and book-series for extended versions of selected papers.

Further Information

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