

II International Conference on Computer Science, Electronics and Industrial Engineering

Oct 26th-30th, 2020 – Ambato, Ecuador

CSEI20

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SCOPE

CSEI is an international conference especially dedicated to Computer Science, Electronics and Industrial Engineering and its solutions. The aim of the CSEI conference is to provide a forum for researchers, developers and practitioners to review and discuss the most recent trends in the area and share innovative research directions.

FOCUS

• **SOFTWARE DEVELOPMENT:** information systems; business solutions; cyber-security; parallel and distributed computing; georeferenced systems; mobile applications development; web applications development; interface design; usability; software development methodologies; automation architecture.

• **ARTIFICIAL INTELLIGENCE:** knowledge representation and management; semantic web; big data; machine learning; statistical learning and pattern recognition; fuzzy logic.

• **EDUCATIONAL COMPUTING:** digital repositories; integration with social networks; Virtual Educational Environments; E-learning.

• **E-MANAGEMENT:** e-government; e-commerce; smart-cities.

• **COMMUNICATIONS:** networks and communication technologies; antennas and wave propagation; signal processing; image processing.

• **INTEGRATED SYSTEMS:** embedded systems; biomedical engineering; integrated photonics.

INTERACTIVE SYSTEMS: augmented reality; virtual reality; internet of things; machine to machine communication.

INDUSTRIAL AUTOMATION: control systems; communication technologies for industry 4.0 and cyber-physical production systems (CPPS); ERP and MES vertical integration; robotics; deep learning; simulation and system modelling.

• **MANUFACTURING AND PRODUCTION SCALE ISSUES:** energy generation; optimization and operations research; ergonomics, human factors and industrial safety; quality engineering and applied statistics; production systems and manufacturing engineer; lean manufacturing; logistics and supply chain management.

• **OPTIMIZATION BASED ON NUMERIC ANALYSIS:** numerical analysis; adaptive techniques in numerical analysis; error estimation; simulation and error measurement; numerical methods and applications.

TYPES OF SUBMISSIONS: CSEI 2020 accepts submissions, from 12 to 15 pages, in English, Spanish or Portuguese, following the formatting rules of RISTI - Revista Ibérica de Sistemas e Tecnologias de Informação-, Q3 journal indexed in Scopus. Papers in this format, accepted to be presented in the conference, will be published in a special number of this journal. Alternatively, papers can be submitted in Springer format, in English and with a minimum of 12 pages. If accepted, these papers will be published as conference proceedings in the book series of 'Advances in Intelligent Systems and Computing' and indexed in Scopus Q3 book series indexed in Scopus.

SUBMISSION OF PAPERS: Manuscripts must be submitted electronically in PDF format, according to the instructions available on the conference web site. Contributions must contain original unpublished work. Papers that have been concurrently submitted to other conferences or journals (double submissions) will be automatically rejected.

PAPER ACCEPTANCE: Each accepted paper must be presented at the conference by one of the authors. The final camera-ready manuscript must be accompanied by a registration form and a registration fee payment proof. All conference attendees must pay the conference registration fee, and their travel expenses.

CONTACTS AND INFORMATION: email: csei@uta.edu.ec