

6th International Conference on Computer Science (CICCI' 2022)

Purpose and scope

The International Conference on Computer Science (CICCI) takes place in Havana, Cuba, as part of the International Convention and Fair INFORMATICA since 2011, and it has been consolidated as a forum for the exchange of researchers of the field of Computer Science. Its goals, as in previous editions, are to spread the main scientific results accomplished in this area, to contribute to the strengthening of the relationships between researchers and to facilitate the contact between new researchers and those groups that have been consolidated already.

Thematic Guidelines

Information Systems and Programming Technologies

Integration and databases, semantic and syntactic interoperability, databases and XML. New models of databases for applications in e-Commerce and e-Government. Metadata, its interpretations and uses. Modeling, reuse, extraction, evolution and integration of ontologies. Database Technologies for the Semantic Web: Modeling, data recovery, reasoning and integration in the Semantic Web. Services-oriented architecture. Languages, tools and methodologies for the semantic analysis of web data. Semantic web and e-Business. Programming paradigms and algorithms. Grid and cloud computing. CASE tools and software development models. Specific domain languages. Geographic Information Systems. Graphic computing. Virtual reality. Augmented reality. Human-Computer Interaction. Operating systems. High Performance Computing Platforms (HPC) and cloud-based platforms. Ubiquitous computing. Tools and technologies in free software. Cyber-security.

Artificial intelligence and Data Science

Meta-heuristics. Intelligent agents and multiagent systems. Soft-computing and hybrid systems. Blurred cognitive maps. Discovery of knowledge and data science. Pattern recognition. Text mining. Social media analysis. Opinion mining. Multidimensional data analysis. Artificial neural networks and deep learning. Scientific visualization of data. Intelligent systems for decision support systems. New tendencies and reliability of Artificial Intelligence (Semantic AI, Explainable AI, Strong AI). Internet of Behavior (IoB), internet of the emotions and feelings analysis.

Digital Image and Signal Processing

Theory and methods of the digital processing of signals. Processing, analysis and coding of voice, audio and music. Adaptive processing of signals. Theory and methods of the digital processing of

images. Medical, biological and cellular microscopy. Computer vision. Analysis and understanding of video streams. Surveillance and monitoring of videos. Emotional computing. Processing of biomedical signals and images. Biometry: speech, fingerprints, face, gestures and others.

Organizing Committee

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