17th Ibero-American Conference on Artificial Intelligence

Iberamia'2022

Cartagena de Indias, Colombia

16-18, February, 2022

http://iberamia2022.iberamia.org   **Contact: iberamia2022@iberamia.org**

IBERAMIA'2022 will be held in *Cartagena de Indias, Colombia*, on *February 16-18, 2022*, organized by the Universidad de Cartagena and the support of the Artificial Intelligence Chapter of the Sociedad Colombiana de Computación. The conference is also sponsored by the main Ibero-American Artificial Intelligence and Computer Science societies.

IBERAMIA'2022 is the 17th edition of the Ibero-American Conference on Artificial Intelligence, a leading symposium where the Ibero-American AI community comes together to share research results and experiences with researchers in Artificial Intelligence from all over the world. The conference will feature a pre-conference program of workshops, and the main technical program will consist of invited talks by leading scientists in the area, presentations of technical papers, as well as system demonstrations.

Submission Topics

IBERAMIA 2022 welcomes submissions on all mainstream AI topics, as well as novel cross cutting work in related areas. We encourage submissions of research that cuts across technical areas and/or integrated capabilities. as well as application of AI techniques for social good, such as security, sustainability, health care, education, transportation, industry, manufacturing and commerce.

Main topics may include but are not limited to the following:

- Agent technology .Multi-Agent Systems.
- Ambient intelligence. Intelligence of things.
- AI in Education, Intelligent Tutoring Systems.
- AI for social good. Recommender Systems. AI and the WEB
- Bio-inspired AI.
- Computational Intelligence, Soft Computing. Cognitive Systems, Cognitive Modeling.
- Game Theory and Interactive Entertainment.
- Human Aspects in AI, Affective Computing. Intelligent Human-computer interaction.

- Knowledge Engineering. Knowledge Representation. Reasoning. Argumentation.
- Planning and Scheduling. Heuristics and Metaheuristics.
- Robotics, Computer vision.
- Machine Learning. Deep Learning. Big Data. Data Mining. Pattern recognition.
- Natural Language Processing. Conversational AI.
- Social impact of AI, Ethics and AI. Sustainability and AI. Trustworthy and Explainable AI.
- Green AI .
- AI Applications and Technology Transfer.

Paper Submission Guidelines

- Papers must be written in English and must not exceed 12 pages, including all tables, figures, and references and are required to be formatted in the Springer LNCS format (see http://www.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines).Submissions over twelve pages will be rejected without review.

- Papers must be submitted through the EasyChair Conference System (https://easychair.org/conferences/?conf=iberamia2022)

- The conference is organized in several areas (tracks), so the authors should choose to submit the paper to the most appropriate area for their work.

All submissions will go through a double blind peer review process by Program Committee members on the basis of their originality, relevance, significance, technical soundness, quality and clarity. Thus, author names and affiliations must be omitted from the submission, using instead the unique tracking number assigned by the conference system at the time of submission. In addition, self-references in the text, like «in [Garcia 2004], we prove that» should be avoided, using instead references such as «in [Garcia 2004] has been proved that».

All papers must be original and not simultaneously submitted to another journal or conference.

Conference Registration and Attendance

At least one author is required to register for the conference and be available to present the paper, and we encourage all authors to attend if possible.

Best paper Award

A "Best Paper Award" will be given to the authors of the best paper, as judged by the Best Paper Award Selection Committee. There will also be the "Best Paper Presentation Award" selected from the audience feedback collected during the IBERAMIA 2022.

Publication

The Proceedings of IBERAMIA'2022 will be published by Springer in «Advances in Artificial Intelligence», LNCS/LNAI series.

Journal Opportunities

A select set of top-rated papers may be nominated for fast track review at participating journals, including *Knowledge-based System Journal*, *AI Communications*, *Inteligencia Artificial*, and others international journals (indexed by Scopus, JCR, etc.).

PhD and Master Thesis Contest

IBERAMIA'2022 starts a program to recognize the best PhD and Master Thesis in the area of AI, finished in 2018-2021 or in progress. The event will be organized online on 4-5, November'2021 More information about the dissertation contest and submission guidelines details can be consulted in SIMDIA'2021 (https://www.iberamia.org/iberamia/iberamia2022/simdia/)

Questions and Suggestions

Please send all enquiries and suggestions about the technical program to the IBERAMIA-2022 Program Chair, at the email address pc-chair@iberamia.org

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IMPORTANT DATES

Paper submission deadline: October, 21st, 2021

Notification: November 22nd, 2021

Camera ready papers: December 1st, 2021

Conference dates: February, 16-18th, 2022