

FIRST EDITION IN COLOMBIA



IV LAWCN

LATIN AMERICAN WORKSHOP ON COMPUTATIONAL NEUROSCIENCE
ENVIGADO (ANT), COLOMBIA
28, 29, 30 NOV - 2023

CALL FOR PAPERS

OVERVIEW

The IV Latin-American Workshop on Computational Neuroscience (LAWCN 2023) provides an international forum to bring students, academic researchers, and professionals from diverse backgrounds to present cutting-edge research in the four main topics: **Computational Neuroscience, Neuroscience, Neuroengineering, and Artificial Intelligence**. The current edition is organized by the research group "**Grupo de Investigación Tecnologías Emergentes Sostenibles e Inteligentes GITESI**" from the Engineering Faculty of the **Institution University of Envigado (IUE)**, in collaboration with the **Colegio Colombiano de Neurociencias (COLNE)**, the most representative association of neuroscience researchers and students in Colombia.

The Workshop will consist mainly of the following activities:

- A. Presentation of up to 8 key renowned international and national researchers.
- B. Roundtable to broadly discuss gender diversity in Neuroscience.
- C. Oral presentations of accepted papers by their authors.
- D. Poster session.
- E. Launch of the Brain-Computer Interface LATAM network.
- F. Technical exhibitors.

VENUE

The workshop will take place in the city of **Envigado (Antioquia - Colombia)** from November **28 to 30, 2023**. Envigado is known for maintaining the traditions of the Paisa Region and for its architecture. It also has one of the highest standards of living in Colombia. Envigado was recognized recently as one of the UNESCO Global Network of Learning Cities (**UNESCO GNLC**).

Prospective authors are invited to contribute to the conference by electronically submitting papers in **English, Portuguese, or Spanish**, according to the model found on the submissions site. Best papers will be published as a book volume in **Springer-Verlag Communications in Computer and Information Science (ISSN 1865-0929)** series. Also, we have the Special Issue "**Interdisciplinary Approaches for Human Cognition: Expanding Perspectives on the Mind**" to be published in the **International Journal in Psychological Research (ISSN 2011-7922)**. Papers will be evaluated based on the quality and significance of the theoretical and practical contributions. Authors of accepted papers must present their work in the workshop."

IMPORTANT DATES.

- **Paper submission deadline:** September 30th, 2023
Notification of acceptance (paper): October 31st, 2023
Camera-ready (paper): November 15th, 2023,
- **Abstract submission deadline:** October 15th, 2023
Notification of acceptance (abstract): October 31st, 2023
Camera-ready (abstract): November 15th, 2023.
- **Notification of acceptance (abstract):** September 30, 2023
Camera-ready (abstract): October 31, 2023

CONFERENCE CHAIRS

Jaime A. Riascos Salas

Institution University of Envigado (IUE) - Colombia

Lina Becerra

Pontificia Universidad Javeriana, Universidad del Valle Colegio Colombiano de Neurociencias (COLNE) - Colombia

ORGANIZING COMMITTEE

- Dante Barone -Federal University Rio Grande do Sul (UFRGS), Brazil
- Vinicius Cota - Federal University São João do Rei (UFSJ), Brazil
- Marta Molinas -NTNU, Norway
- Edwin Moncada -Institution University of Envigado, Colombia
- Jonier Rendón -Institution University of Envigado, Colombia
- Efraín Buriticá - Universidad del Valle - COLNE, Colombia
- Pablo Reyes - Pontificia Universidad Javeriana -COLNE, Colombia
- Hernán Villota -Institution University of Envigado, Colombia
- Daniel Betancourt -Institution University of Envigado, Colombia
- Catalina Alvarado -Pontificia Universidad Javeriana, Colombia
- Paula Herrera - Universidad Tecnológica de Pereira, Colombia

KEYNOTE SPEAKERS

- Prof. PhD. Norberto García Caraisco (USP, Brazil)
- Prof. PhD. Salvador Dura-Bernal (SUNY, USA)
- Prof. PhD. Jose Luis Contreras-Vidal (NSF IUCRC BRAIN Center, USA)
- Prof. PhD. Fabien Lotte (INRIA, Francia)
- Prof. PhD. Jose M. Azorin (Universidad Miguel Hernández de Elche, Spain)
- Prof. PhD. Marta Molinas (NTNU, Noruega)
- Prof. PhD. Catalina Alvarado (Pontificia Universidad Javeriana, Colombia)
- Prof. PhD. Paula Herrera (Universidad Tecnológica de Pereira, Colombia)