

CALL FOR PAPERS

Special Session: Bioinformatics and Computational Biology

Dear colleagues,

The organizers of the Fifth Edition of the Special Session in Bioinformatics and Computational Biology “(B&CB)” to be held at 2025 IEEE/ROPEC invite you to submit papers on any topic related to B&CB; however, the following topics are of particular interest:

- Machine learning in B&CB
- Genetic Algorithms in B&CB
- Network Analysis in B&CB
- Neural Networks in B&CB (e.g., Generative AI, autoencoders, GANs, transformers)
- Medical Image Analysis in B&CB
- Clinical Data Analysis and Decision Support in B&CB
- Other Computational Approaches to Solve Problems in B&CB
- Computational Resources (Software and Web Services) in B&CB
- Data Mining and Natural Language Processing in B&CB

Submitted papers should adhere to the specifications in 2025 IEEE/ROPEC conference author guidelines. Each submission to the special session will undergo the same revision process as papers submitted to ROPEC 2025. Submission implies the willingness of at least one of the authors to register and to present the communication at the conference if it is accepted. All accepted papers will be published in a memory and the proceedings will be indexed by IEEEExplore.

IMPORTANT DATES:

- July 04, 2025: Full paper submission.
- August 18, 2025: Acceptance Notification.
- September 12, 2025: Final paper submission.
- November 12-14, Conference ROPEC 2025, Updates in <https://2025.ropec.org/>

- Paper submission:

The paper title, as well as the abstract, must be in English, and the body of the paper either English or Spanish and is limited to 6 pages. The mandatory templates to be used in order to submit your contributions can be downloaded from <https://2025.ropec.org/templates/>. Papers must be submitted in PDF format using easychair for the reviewing process. Please Log in at:

<https://easychair.org/my/conference?conf=ropec2025>

Organizers:

Dr. Dagoberto Armenta Medina (INFOTEC - CONAHCYT).

Dr. Carlos Minutti Martínez (INFOTEC)



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