



The **IX Neuroengineering Symposium** takes place on October 16-19, 2023, in Rio Grande do Norte, Brazil. This international forum is supported by the Brazilian Society of Biomedical Engineering, and promotes an opportunity for researchers, educators, practitioners, and consumers to share knowledge, recent innovations and developments, non-clinical and clinical applications from animals to humans, in all aspects of neuroengineering, neuroscience and rehabilitation. The 9th edition will happen both in person and online. **The scientific committee calls for *Tutorials, Abstracts (2 pages) and Regular Full Papers (4 pages) submissions with theory and practical contributions* to the following technical areas (although not limited to them):**

## MAIN TOPICS:

1. Biomechanics and movements analysis in rehabilitation
2. Neuromodulation and advances in neuroprosthetic and functional electrical stimulation systems
3. Virtual reality and serious games in neuroengineering
4. Brain-machine interfaces in assistance and rehabilitation
5. Sensors and Instrumentation – advances and applications
6. Human-machine interfaces in assistance and rehabilitation
7. Exoskeletons and Robotics in rehabilitation
8. Neurotechnology and its clinical applications
9. Cognitive science and its clinical applications
10. Signal and data processing for Neurotechnology and Analysis
11. Augmentative and Alternative Communication
12. Neurophysiology and electrophysiology
13. Neuroanatomy and Image Analysis



## PUBLICATIONS

1. Accepted Abstracts (in English/Portuguese) and regular full papers (in Portuguese) will be published in the **Annals of the Neuroengineering Symposium**.
2. Only accepted Regular Full Papers in English will be published in the **International Federation of Medical and Biological Engineering (IFMBE) proceedings Series**.
3. Furthermore, relevant accepted Full Paper submissions in English will be invited to publish an extended original paper to the following two journals: **Journal of Physiology** and **IEEE Transactions on Human-Machine Systems**.

## TEMPLATES

- For Abstracts (2 pages) and Full Papers: [IFMBE template](#) and [Latex](#). Abstracts are short communications that should also follow the template, providing then Abstract, Introduction, Materials and Methods, Results, Discussion, Conclusion, figures and tables.
- For Tutorials: [template](#)

## IMPORTANT DATES

Tutorial proposals submission (**Closed**): ~~From March 1st to May 1st, 2023~~

Acceptance note: July 1st, 2023

Abstracts submission (**Opened**): ~~From March 1st to June 1st, 2023~~ ~~June 15th, 2023~~ ~~June 30th, 2023~~ ~~July 16th, 2023~~ ~~August 31th, 2023~~ September 3rd, 2023

Full Paper submission (**Closed**): ~~From March 1st to June 1st, 2023~~ ~~June 15th, 2023~~ ~~June 30th, 2023~~ ~~July 16th, 2023~~

Acceptance note: ~~July 30th, 2023~~ September 7th, 2023

Final submission: ~~August 30th, 2023~~ September 10th, 2023



## SUBMISSION

Submissions are free of charge. However, accepted Abstracts, Tutorials and Regular Full Papers will only be published when at least one author (presenter) of each accepted paper is registered to the **IX Neuroengineering Symposium**.

**SUBMISSION FORM:** <https://forms.gle/CUA45YkfqPydjNcv6>



## REGISTRATION

### IMPORTANT DATES

Early Registration: From July 1st to August 31th, 2023

Late Registration: September 30th, 2023

### INFORMATION

1. At least one author (presenter) of each accepted paper must register for its conference publication.

Student registration – 2 papers covered with single payment

Regular registration – 2 papers covered with single payment

2. Registration fee includes: access to main conference sessions, tutorials, reception, coffee breaks, and a conference kit.

3. Our symposium does not refund conference fees in case of cancellations, VISA-issues, special circumstances, etc. Please contact us via [email](#) for additional details.

### REGISTRATION TYPES

Category	Early inscription		Late inscription	
	Foreigners	Nationals	Foreigners	Nationals
Regular	100 USD	R\$ 100	200 USD	R\$ 200
Student	50 USD	R\$ 50	100 USD	R\$ 100

### CONTACT

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