

Call for Contributions

Note: Onsite and Online Options

In order to accommodate a large number of situations, we are offering the option for either physical presence or virtual participation. We would be delighted if all authors manage to attend in person, but are aware that special circumstances are best handled by having flexible options.

Submission:

1. Inform the Chair: with the Title of your Contribution

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=BRAININFO+2020+Special>

Please select Track Preference as **CMND**

Special track

CMND: Computational Modeling of Neural Dynamics

Chair

Prof. Dr. German Castellanos-Dominguez, Universidad Nacional de Colombia, Colombia

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along with

BRAININFO 2020, The Fifth International Conference on Neuroscience and Cognitive Brain Information

<https://www.iaria.org/conferences2020/BRAININFO20.html>

October 18 - 22, 2020 - Porto, Portugal

This session is devoted to discussing computational models of evolving brain organization, which may contribute to the understanding of mental states, plastic changes, neurophysical regulation, among others.

We look for approaches dealing where a special attention is given to interpretable models that put strength on dynamic patterns of neural activation over temporal, spectral, and spatial domains.

Topics include, but not limited to:

- Spatiotemporal brain imaging data modeling (fMRI, EEG, MEG, fNIRS, etc.)
- Stochastic representations of neural population dynamics using latent variable modeling, complexity and chaos-related algorithms, theoretical learning
- Machine learning in interpretable models of neural dynamics
- Multimodal and multisubject modeling of group neural network activity
- System dynamics related to Media and Information
- Literacy, feedback, emotions, education, attention tasks, training, motor imagery, therapy for inducing recovery and neuroplasticity, neuro-rehabilitation therapy, motor learning as well as performance.

Important Datelines

Submission: August 24, 2020

Notification: September 13, 2020

Registration: September 23, 2020

Camera-ready: September 23, 2020

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Paper Format

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=BRAININFO+2020+Special>

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaia.org/registration.html>

Contact

Chair

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