

Call for Invited PAPERS for 2022 Conference on Decision and Control

December 6-9, 2022, Cancun, Mexico
(<https://cdc2022.ieeecss.org/>)

Invited Session on Brain Dynamics and Control

The IEEE CSS Technical Committee on Healthcare and Medical Systems is pleased to announce an invited technical session at the 2022 Conference on Decision and Control, Cancun, Mexico. Paper submissions are invited in the broad area of dynamics and control studies of the central and peripheral nervous system in health and disease. In-scope topics include, but are not limited to

- Modeling of biological neuronal dynamics
- Dynamical characterizations of neuronal and cognitive phenomena
- Model-based and model-free control design for altering brain activity in health and disease
- Development and characterizations of sensing and actuation neurotechnologies
- Brain-machine and brain-computer interfaces
- Brain-inspired artificial intelligence and robotics

Initial expression of interest is requested by **Feb 25th** and tentative paper information (title, abstract, and list of authors) by Feb 28th. Invited proposers will be provided with an invited session code in the first week of March to allow for joint CDC-LCSS submissions by March 7th.

Organizers:

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