INDIAN INSTITUTE OF TECHNOLOGY MADRAS

CENTER FOR COMPUTATIONAL BRAIN RESEARCH

First winter course on Computational Brain Research at

IIT Madras

Call for posters

Jan. 2-7, 2018, IC&SR Building, IIT Madras, Chennai– 600036, India

Call for posters for the First Winter Course on computational brain research at IIT-Madras (Jan 2- 7, 2018) is now open. Prospective authors are invited to submit a short abstract (limited to 500 words) for the poster session in the upcoming workshop on Computational Brain Research. The poster session will occur on the afternoon of Sunday Jan 7, 2018. Poster board size 3 feet by 4 feet (91 height x 121 width cm) in dimension and the posters should not exceed these dimensions.

Abstract of posters should be submitted at https://easychair.org/conferences/?conf=ccbr2018

Deadline for submission: **Dec 15, 2017**

Accepted abstracts will be notified of their acceptance by **Dec 16, 2017**

The course focuses on four main areas of robust interactions between engineering and neuroscience (Vision, Speech/Audition, Natural Language, and Reinforcement Learning) and also includes related topics (classical Machine Learning).

The goal of the CCBR is to explore the interface between Neuroscience and Engineering disciplines. A two-way interaction is envisaged, where an understanding of the brain can help drive significant technological advances, and in turn engineering tools can help analyze and probe neural circuits. Within this overall vision, CCBR pursues two broad areas of activity:

Analysis of the structure and activity of neural circuits: This includes the analysis of big data sets related to whole brain measurements of neuronal connectivity and activity, the development of new technologies for data acquisition, and the theoretical understanding of these data to derive underlying principles.

Brain-inspired hardware and software architectures: This includes research into improving hardware efficiency (speed and energy consumption) based on insights from studying neural circuits, developing next generation algorithms, software and hardware for machine intelligence, and improving the robustness and programmability of software systems.

Note: Easy Chair portal asks for an account for making a submission. Please create an account before submission.

Online help on how to use easy chair system for abstract submission can be found at:
https://easychair.org/help/article.cgi?a=13260421#sect2

For any other queries please contact: Swetha Bhupathi @ ccbriitmadras@gmail.com