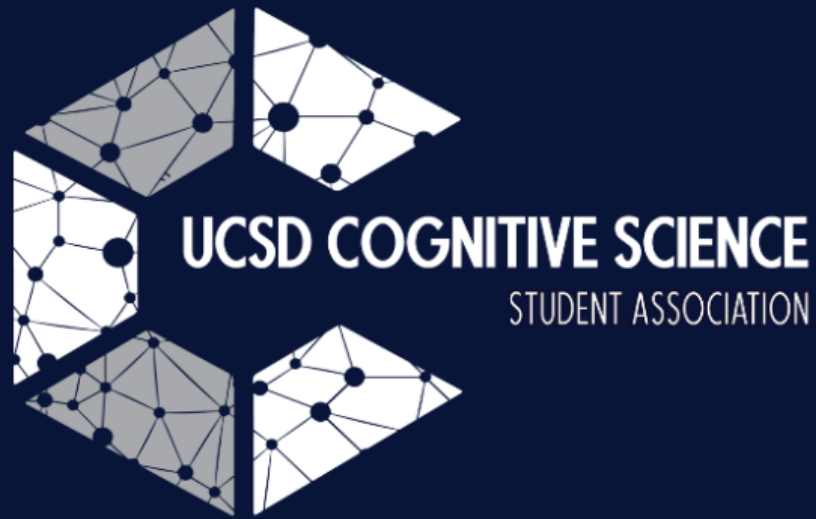


Newsletter Ed. February 2019



CSSA PRESENTS



COGNITIVE CROSSROADS

NATIONAL COGNITIVE SCIENCE CONFERENCE 2019

APRIL 14, 2019 | 10AM-4:30PM | PC THEATER

[Click here for the Facebook event](#)

UCSD's National Cog-Sci Conference is coming up!

Delving deep into the culture of cognitive science, this year's conference aims to explore the crossroads between the interdisciplinary aspects of cognitive science and the practical world-wide application of it.

Attendees and presenters include distinguished researchers and scientists, reputable companies in related industries, and lab representatives. In the past, Cognitive Science Conferences have consistently received over 300 attendees. This annual conference is the prime event to attend if you are interested in academic and career advancement opportunities, or simply want to deepen your knowledge of how the diverse applications of Cognitive Science are shaping the future.

More details will be posted as soon as possible. Please RSVP to the Facebook event to ensure you stay updated OR register for the event by clicking on the icon below!

[REGISTER NOW](#)

KEYNOTE SPEAKERS:

HAKWAN LAU, D.Phil



Professor, Department of Psychology
& Brain Research Institute
UCLA

REZA SHADMEHR, Ph.D.



Professor of Biomedical Engineering
Professor of Neuroscience
Johns Hopkins University

https://www.bme.jhu.edu/faculty_staff/reza-shadmehr-phd/

CONFERENCE AGENDA:

| EVENT | TIME | LOCATION |
|------------------------|----------|----------------------|
| Intro/Check-In | 10:00 AM | Price Center Theater |
| Speaker 1 (UCLA) | 10:30 AM | Price Center Theater |
| Speaker 2 (JHU) | 11:20 AM | Price Center Theater |
| Lunch & Lab Open House | 12:15 PM | Forum |
| Workshop 1 | 1:45 PM | PC Rooms |
| Workshop 2 | 2:30 PM | PC Rooms |
| Networking Reception | 3:15 PM | Forum |

[Visit Webpage](#)

What's new in the Cog-Sci world?

Looking at the "big picture"

Humans uncover complex associations in the world around them; however, the underlying mechanisms in how our brains manage to navigate complex amounts of information is poorly understood. Researchers thus far have thought that the brain uses sophisticated processes to establish a higher-order structure of statistical relationships. But scientists from the University of Pennsylvania proposed a new model of higher-order thinking at the American Physical Society March Meeting 2019. This new model explains that the brain must move away from the specifics in order to create higher-order idea connections and “see the bigger picture”. In a study testing this model, participants completed a given task with greater accuracy when they found it easier to understand the underlying logic of the “bigger picture”. Their work suggests that our brains are eager to simplify information to better predict what’s coming next.

[Learn more](#)

Have questions for CSSA?

Contact us at

cssa.ucsd@gmail.com

Have questions about Cognitive Science?

Behavioral problems associated with cognitive, language scores in preterm-born toddlers

While studies have shown that premature babies are at greater risk for later health issues and social struggles in adulthood, (Sullivan, 2011) there is limited research done on infants born on the extreme end of the spectrum -- toddlers born unordinarily preterm, at 22-26 weeks. This study aimed to discover if and how preterm toddlers were affected in terms of their cognitive, language and motor skills. After analyzing parent-reported questionnaires on their child’s behavior, results showed that there was a definite relation between behavior problems and developmental setbacks, such as cognitive delay, language disorders and behavioral issues. Scores were similar for both boys and girls, though boys demonstrated more developmental difficulties. Additionally, they also found that these children show greater chance of later learning disabilities. However, despite these drawbacks, the findings strongly imply that early recognition and intervention for these children can improve the parent-child relationship, have cognitive benefits and possibly even resolve all developmental issues.

[Read full article](#)

Visit <http://www.cogsci.ucsd.edu>

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