

Chubu University CMSAI International Symposium 2023

# Mathematics and Data Science for Expanding Intelligence in Computers and Brains

DAY  
1

Saturday,  
**Oct 28, 2023**  
13:00-17:30

DAY  
2

Sunday,  
**Oct 29, 2023**  
10:00-12:10

## VENUE

Chubu University Research Center  
and Webinar

## HOST ORGANIZATION

Center for Mathematical Science and  
Artificial Intelligence (CMSAI),  
Chubu University

## TIME TABLE

### DAY1 In-person and Webinar

- 13:00 Opening remarks : Yoshimi Takeuchi  
(President of Chubu University / Board chairman)
- 13:10 **Andrei Khrennikov**  
"Modeling Cognition and Artificial Intelligence with  
Open Quantum Systems"
- 14:00 Break
- 14:10 **Teck Khim Ng**  
"Malicious Image Detection and Handling"
- 15:00 Coffee Break
- 15:30 **Stefan Glasauer**  
"Modeling approaches to understanding human  
perception of space and time"
- 16:20 Break
- 16:30 **Takuya Isomura**  
"Canonical neural network for shared  
intelligence - an active inference modelling"
- 17:20 Closing remarks for day 1 : Yutaka Hirata, CMSAI director

### DAY2 In-person

- 10:00- Poster presentations by CMSAI members and their students  
Demonstration by **Margarete Jahrmann**  
"CRE[AI]D. A brain-aided artistic image generation game"
- 12:00 Closing remarks for day 2 : Yutaka Hirata, CMSAI director

## INVITED SPEAKERS



**Andrei Khrennikov**  
Professor / Department of  
Mathematics, Linnaeus  
University (Växjö, Sweden)



**Teck Khim Ng**  
Associate Professor / School  
of Computing, National  
University of Singapore  
(Singapore)



**Stefan Glasauer**  
Chair of Computational  
Neuroscience, Institute of  
Medical Technology,  
Brandenburg University of  
Technology  
Cottbus-Senftenberg  
(Brandenburg, Germany)



**Takuya Isomura**  
Unit Leader /  
Brain Intelligence Theory  
Unit, RIKEN Center for  
Brain Science (Wako,  
Japan)



**Margarete Jahrmann**  
Professor / University of  
Applied Arts Vienna  
(Vienna, Austria)

## Demonstration

Chubu University  
Center for Mathematical Science and Artificial Intelligence (CMSAI)

CONTACT

TEL: 0568-51-4319 E-mail: cmsai@office.chubu.ac.jp  
[https://www.cmsai.jp/event\\_en](https://www.cmsai.jp/event_en)

## REGISTRATION (Free)

Online registration: Link or QR code  
<http://bit.ly/3rb00nn>

In-person limited to 100 attendees.  
(granted first-come, first-served basis)

