

The 17th International Conference on Brain Informatics (BI 2024)

Location: Knowledge Xchange for Innovation (KX) Building,
King Mongkut's University of Technology (KMUTT), Bangkok, Thailand
Dates: 13-15 December 2024

13 December 2024 (Morning Sessions) Location: KX 10th Floor

Registration

- **8:00 AM - 9:00 AM**

Opening Ceremony & Keynote Lectures

Local Chair & Moderator: Duanghathai Wiwatratana, Neuroscience Center for Research and Innovation, Learning Institute, KMUTT, Thailand

Location: Conference Room X04

[Join Zoom Meeting: https://kmutt-ac-th.zoom.us/j/95452994239](https://kmutt-ac-th.zoom.us/j/95452994239)

[\(Zoom Meeting ID: 954 5299 4239\)](#)

- **9:00 AM - 9:30 AM: BI24 Opening Ceremony**

Speakers:

- **Kanyawim Kirtikara**, Senior Vice President for Research and Innovation, King Mongkut's University of Technology Thonburi (KMUTT), Thailand
- **Ning Zhong**, Advisory Chair of BI24 and the Director & Chairman of the Web Intelligence Consortium (WIC), Maebashi Institute of Technology, Japan
- **Sirawaj Itthipuripat**, General Chair of BI24 and the Director of Neuroscience Center for Research and Innovation, Learning Institute, KMUTT, Thailand

- **9:30 AM - 10:15 AM: Keynote Lecture on Brain/MINDS 2.0 and the Digital Brain Project**

Speaker: **Kenji Doya**, Okinawa Institute of Science and Technology, Japan

Moderator: **Anan Li** (BI24 General Chair), Huazhong University of Science and Technology, China

- **10:15 AM - 10:30 AM: Coffee Break**

- **10:30 AM - 11:15 AM: Keynote Lecture on Toward Building a Whole Brain Connectome at Single Neuron Resolution**

Speaker: **Hanchuan Peng**, SEU-ALLEN Joint Center, China

Moderator: **Giorgio Ascoli** (BI24 General Chair), George Mason University, USA

- **11:15 AM - 12:00 PM: Keynote Lecture on Graphical Modeling of Brain Networks**

Speaker: **Ramesh Srinivasan**, University of California, Irvine, USA

Moderator: **Sirawaj Itthipuripat** (BI24 General Chair), King Mongkut's University of Technology, Thailand

Lunch

Location: KX 9th Floor

Time: 12:00-1:00 pm

13 December 2024 (Afternoon Sessions)

Location: KX 10th Floor

Conference Symposia

Location: Conference Room X04

Join Zoom Meeting: <https://kmutt-ac-th.zoom.us/j/95452994239>

(Meeting ID: 954 5299 4239)

- **1:00 PM - 1:45 PM: The Symposium on Advanced Methods in Computational Social Neuroscience**

Chair: **Italo Ivo Lima Dias Pinto**, University of California, Irvine, USA

Local Chair: Thitaporn Chaisilprungraeng, Neuroscience Center for Research and Innovation, KMUTT, Thailand

- **2:00 PM - 5:00 PM: The Symposium on Computational and Informatics Frameworks for Studying Cognitive Functions and Neurodegeneration**

Chairs: **Narun Pat** (BI24 Leading Program Chair), University of Otago, New Zealand & **Daniel Thayer**, University of California, Santa Barbara, USA

Local Chairs: Duanghathai Wiwatratana, Neuroscience Center for Research and Innovation, KMUTT, Thailand & Sittirapa Isarangura, Mahidol University, Thailand

Workshop Sessions

Location: Conference Room X01

Join Zoom Meeting: <https://kmutt-ac-th.zoom.us/j/99636493536>

(Meeting ID: 996 3649 3536)

- **1:00 PM - 4:00 PM: The International Workshop: Generative AI Empowers Brain Signal Processing (GAIEBSP 2024)**

Chairs: **Shuqiang Wang**, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, China, **Sadia Shaki**, The Chinese University of Hong Kong, Hong Kong & **Baiying Lei**, Shenzhen University, China

Local Chairs: Titipat Achakulvisit, Department of Biomedical Engineering, Mahidol University, Thailand & Kejkaew Thanasuan, Media Technology Program and Neuroscience Center for Research and Innovation, KMUTT, Thailand

Location: Conference Room X02

Join Zoom Meeting: <https://kmutt-ac-th.zoom.us/j/94619238270>

(Meeting ID: 946 1923 8270)

- **1:30 PM-4:50 PM: The 4th International Workshop on Environmental Adaptation and Mental Health (EAMH 2024)**

Chairs (online): **Yang Yang**, **Yidi Chen**, **Zelong Meng**, & **Huixin Hu**, Beijing Forestry University, China

Local Chairs: Singh Intrachooto & Sarigga Pongsuwan, Research and Innovation Sustainability Center, Thailand & Kanda Lertladaluck, Neuroscience Center for Research and Innovation, KMUTT, Thailand

**Zoom links:
(13 December 2024)**

The 17th International Conference on Brain Informatics (BI 2024)	
Date and Time	Friday, Dec 13, 2024 (8.00am-8.00pm Bangkok Time)
Room : X04	Join Zoom Meeting https://kmutt-ac-th.zoom.us/j/95452994239 Meeting ID: 954 5299 4239
Room : X01	Join Zoom Meeting https://kmutt-ac-th.zoom.us/j/99636493536 Meeting ID: 996 3649 3536
Room : X02	Join Zoom Meeting https://kmutt-ac-th.zoom.us/j/94619238270 Meeting ID: 946 1923 8270

14 December 2024 (Morning Sessions)
Location: KX 11th Floor

Keynote Lecture

Locations: Conference Room X11.7 (main keynote lecture room) & **X11.3** (live broadcast)

Join Zoom Meeting: <https://kmutt-ac-th.zoom.us/j/94600113097>

(Meeting ID: 946 0011 3097)

- **9:00 AM - 9:45 AM: Keynote Lecture on Neuroinformatics and Cognitive Ontologies**
Speaker: **Lucina Q. Uddin**, University of California, Los Angeles, USA
Chair & Moderator: **Sirawaj Itthipuripat** (General Chair of BI24), Neuroscience Center for Research and Innovation, KMUTT, Thailand
Local Chair: Duanghathai Wiwatratana, Neuroscience Center for Research and Innovation, Learning Institute, KMUTT, Thailand & Tai Chaiamarit, Mahidol University, Thailand
- **9:45 AM - 10:00 AM: Coffee Break**

Workshop Sessions

Location: Conference Room X11.7

Join Zoom Meeting: <https://kmutt-ac-th.zoom.us/j/94600113097>

(Meeting ID: 946 0011 3097)

- **10:00 AM - 11:55 AM: The International Workshop on Reconstruction and Modeling of the Brain at the Single-Cell Level (RMBSCCL 2024)**
Chairs: **Yufeng Liu & Lijuan Liu**, Southeast University, **Weiyao Lin**, Shanghai Jiao Tong University & **Guoqiang Yu**, Tsinghua University, China
Local Chairs: Duanghathai Wiwatratana, Neuroscience Center for Research and Innovation, KMUTT, Thailand & Tai Chaiamarit, Mahidol University, Thailand

Location: Conference Room X11.1

Join Zoom Meeting: <https://kmutt-ac-th.zoom.us/j/95129031089>

(Meeting ID: 951 2903 1089)

- **09:00 AM - 11:00 AM: The International Workshop on Elucidation of Mechanistic Information using Neuroimaging for Psychiatric Disorders (EMINPD 2024)**
Chairs (online): **Xiaofu He, Bin Xu & Xi Zhu**, New York State Psychiatric Institute & Columbia University, USA & **Yunyu Xiao**, Cornell University, USA
Local Chair: Thitaporn Chaisilprungraung, Neuroscience Center for Research and Innovation, KMUTT, Thailand

Location: Conference Room X11.2

Join Zoom Meeting: <https://kmutt-ac-th.zoom.us/j/98337575267>

(Meeting ID: 983 3757 5267)

- **09:30 AM - 12:00 PM: The International Workshop on Computational Tools for Cognition (CTC 2024)**

Chairs (online): **Stephanie Neilli**, Occidental College, USA, **Ioannis Pappas**, University of Southern California, **Nuttida Rungratsameetaweemana**, Columbia University, USA
Local Chairs: Titipat Achakulvisit, Department of Biomedical Engineering, Mahidol University, Thailand; Maytus Piriyaジットakonkij, The University of Manchester, UK & Agency for Science, Technology and Research (A*STAR), Singapore

Lunch

Location: KX 9th Floor

Time: 12:00-1:00 pm

14 December 2024 (Afternoon Sessions)

Location: KX 11th Floor

Conference Symposia

Location: Conference Room X11.2

Join Zoom Meeting: <https://kmutt-ac-th.zoom.us/j/98337575267>

(Meeting ID: 983 3757 5267)

- **1:00 PM - 4:30 PM: The Symposium on Cognitive and Computational Approaches to Advancing Mental Health Research**

Chairs: **Mufti Mahmud**, King Fahd University of Petroleum and Minerals, Saudi Arabia & **Narun Pat**, University of Otago, New Zealand
Local Chair: Thitaporn Chaisilprungraung, Neuroscience Center for Research and Innovation, KMUTT, Thailand & Kanda Lertladaluck, Neuroscience Center for Research and Innovation, KMUTT, Thailand

Location: Conference Room X11.3

Join Zoom Meeting: <https://kmutt-ac-th.zoom.us/j/96563960134>

(Meeting ID: 965 6396 0134)

- **1:00 PM - 2:15 PM: The Symposium on Cognitive and Computational Foundations of Visual Cognition**

Chair: **Kejkaew Thanasuan**, Media Technology Program and Neuroscience Center for Research and Innovation, KMUTT, Thailand
Local Chair: Kanda Lertladaluck, Neuroscience Center for Research and Innovation, KMUTT, Thailand

Workshop Sessions

Location: Conference Room X11.7

Join Zoom Meeting: <https://kmutt-ac-th.zoom.us/j/94600113097>

(Meeting ID: 946 0011 3097)

- **1:00 PM - 5:35 PM: The International Workshop on Mesoscopic Brain-wide Connectivity Atlas (MBCA 2024)**
Chairs: **Anan Li** (BI24 General Chair), Huazhong University of Science and Technology, China, **Junjie Zhuo & Zhao Feng**, Hainan University, China
Local Chairs: Duanghathai Wiwatratana, Neuroscience Center for Research and Innovation, KMUTT, Thailand & Tai Chaiamarit, Mahidol University, Thailand

Location: Conference Room X11.1

Join Zoom Meeting: <https://kmutt-ac-th.zoom.us/j/95129031089>

(Meeting ID: 951 2903 1089)

- **2:00 PM - 4:45 PM: The 2024 International Workshop on Web Intelligence meets Brain Informatics (WImeetsBI 2024)**
Chairs: **Jianzhuo Yan, Jianhui Chen & Jiajin Huang**, Beijing University of Technology, China
Local Chairs: Kajornvut Ounjai, Neuroscience Center for Research and Innovation, KMUTT, Thailand & Titipat Achakulvisit, Department of Biomedical Engineering, Mahidol University, Thailand

Riverside Gala Dinner & Award Ceremony

Location: Away Bangkok Riverside Kene Hotel

Address: 1, Soi Charoen Nakhon 35, Charoen Nakhon Rd, Khlong San, Khlong San, Bangkok

Time: 6:30-9:30 pm

Award Presentations

- Best Conference and Student Paper Awards
Chairs: Sirawaj Itthipuripat, Giorgio Ascoli, Anan Li

- WIC Outstanding Service Award
Chair: Ning Zhong

- Springer Awards for Brain Informatics Journal
Chair: Ning Zhong

Announcement of Brain Informatics 2025 in Bari, Italy

Speaker: Angela Lombardi

**Zoom links:
(14 December 2024)**

The 17th International Conference on Brain Informatics (BI 2024)	
Date and Time	Sat, Dec 14, 2024 (8.00am-8.00pm Bangkok Time)
Room : X11.7	Join Zoom Meeting https://kmutt-ac-th.zoom.us/j/94600113097 Meeting ID: 946 0011 3097
Room : X11.1	Join Zoom Meeting https://kmutt-ac-th.zoom.us/j/95129031089 Meeting ID: 951 2903 1089
Room : X11.2	Join Zoom Meeting https://kmutt-ac-th.zoom.us/j/98337575267 Meeting ID: 983 3757 5267
Room : X11.3	Join Zoom Meeting https://kmutt-ac-th.zoom.us/j/96563960134 Meeting ID: 965 6396 0134

15 December 2024 (Morning Sessions)
Location: KX 11th Floor

Keynote Lecture

Location: Conference Room X11.7 (main keynote lecture room) & **X11.3** (live broadcast)

Join Zoom Meeting: <https://kmutt-ac-th.zoom.us/j/93117861184>

(Meeting ID: 931 1786 1184)

- **9:00 AM - 9:45 AM: Keynote Lecture on Predictive Neuroscience for Precision Aging: Dementia Prevention, Detection, Treatment, and Care**
Speaker: **Allison Sekuler**, Baycrest Health Sciences, McMaster University & University of Toronto, Canada
Chair & Moderator: **Chaipat Chunharas** (BI24 Program Chair), Faculty of Medicine, Chulalongkorn University, Thailand
Local Chair: Duanghathai Wiwatratana, Neuroscience Center for Research and Innovation, Learning Institute, KMUTT, Thailand
- **9:45 AM - 10:00 AM: Coffee Break**

Conference Symposium

Location: Conference Room X11.7

Join Zoom Meeting: <https://kmutt-ac-th.zoom.us/j/93117861184>

(Meeting ID: 931 1786 1184)

- **10:00 AM - 12:00 PM: The Symposium on Brain Big Data Analytics, Curation, and Management (Note* afternoon session 1:00 PM - 2:00 PM)**
Chairs: **Liya Ding**, University of Chicago, USA & **Carlos Enrique Gutierrez**, Okinawa Institute of Science and Technology, Japan
Local Chairs: Itthi Chatnuntaweck, National Center of Nanotechnology & Kanda Lertladaluck, Neuroscience Center for Research and Innovation, KMUTT, Thailand

Location: Conference Room X11.3

Join Zoom Meeting: <https://kmutt-ac-th.zoom.us/j/92154423454>

(Meeting ID: 921 5442 3454)

- **10:30 AM - 12:00 PM: The Symposium on Brain-Computer Intelligence and Brain-Inspired Computing**
Chair: **Thitaporn Chaisilprungraung**, Neuroscience Center for Research and Innovation, KMUTT, Thailand
Local Chair: Kejkaew Thanasuan, Media Technology Program and Neuroscience Center for Research and Innovation, KMUTT, Thailand

Workshop Sessions

Location: Conference Room X11.1

Join Zoom Meeting: <https://kmutt-ac-th.zoom.us/j/98355254203>

(Meeting ID: 983 5525 4203)

- **9:00 AM - 11:30 AM: The 6th International Workshop on Cognitive Neuroscience of Thinking and Reasoning (CNTR 2024)**

Chairs: **Peipeng Liang**, Capital Normal University, China & **Vinod Goel**, York University, Canada

Local Chairs: Kajornvut Ounjai, Neuroscience Center for Research and Innovation, KMUTT, Thailand & Titipat Achakulvisit, Department of Biomedical Engineering, Mahidol University, Thailand

Lunch

Location: KX 9th Floor

Time: 12:00-1:00 pm

15 December 2024 (Afternoon Sessions)

Location: KX 11th Floor

Conference Symposia

Location: Conference Room X11.7

[Join Zoom Meeting:https://kmutt-ac-th.zoom.us/j/93117861184](https://kmutt-ac-th.zoom.us/j/93117861184)

(Meeting ID: 931 1786 1184)

- **1:00 PM - 2:00 PM: The Symposium on Brain Big Data Analytics, Curation, and Management (Continued)**

Chair: **Carlos Enrique Gutierrez**, Okinawa Institute of Science and Technology, Japan

Local Chairs: Itthi Chatnuntaweck, National Center of Nanotechnology & Kanda

Lertladaluck, Neuroscience Center for Research and Innovation, KMUTT, Thailand

Workshop Sessions

Location: Conference Room X11.1

[Join Zoom Meeting: https://kmutt-ac-th.zoom.us/j/98355254203](https://kmutt-ac-th.zoom.us/j/98355254203)

(Meeting ID: 983 5525 4203)

- **1:00 PM - 3:00 PM: The International Workshop on Multimodal Computational Approaches for Brain Biomarkers Discovery (MCABBD 2024)**

Chairs: **Hieu Pham**, VinUniversity & **Nguyen The Hoang Anh**, Vietnam – Korea Institute of Science and Technology, Vietnam

Local Chairs: Titipat Achakulvisit, Department of Biomedical Engineering, Mahidol University, Thailand & Duanghathai Wiwatratana, Neuroscience Center for Research and Innovation, KMUTT, Thailand

- **4:00 PM - 5:50 PM: The 4th Special Session on Explainable Artificial Intelligence for Unveiling the Brain: From Black-Box to Glass-Box (XAIB 2024)**

Chair (online): **Chiara Camastra**, Neuroscience Research Center, Department of Medical and Surgical Sciences, Magna Graecia University of Catanzaro, Italy

Local Chairs: Titipat Achakulvisit, Department of Biomedical Engineering, Mahidol University, Thailand & Duanghathai Wiwatratana, Neuroscience Center for Research and Innovation, KMUTT, Thailand

Location: Conference Room X11.2

Join Zoom Meeting: <https://kmutt-ac-th.zoom.us/j/95093505758>

(Meeting ID: 950 9350 5758)

- **2:00 PM - 3:40 PM: The International Workshop on Application of Artificial Intelligence and Innovative Technologies in Brain Informatics and Health (AAITBIH 2024)**

Chair (online): **Zhijiang Wan**, Nanchang University, China

Local Chairs: Kejkaew Thanasuan, Media Technology Program and Neuroscience Center for Research and Innovation, KMUTT, Thailand & Sittiprapa Isarangura, Mahidol University, Thailand

**Zoom links:
(15 December 2024)**

The 17th International Conference on Brain Informatics (BI 2024)	
Date and Time	Sun, Dec 15, 2024 (8.00am-8.00pm Bangkok Time)
Room : X11.7	Join Zoom Meeting https://kmutt-ac-th.zoom.us/j/93117861184 Meeting ID: 931 1786 1184
Room : X11.1	Join Zoom Meeting https://kmutt-ac-th.zoom.us/j/98355254203 Meeting ID: 983 5525 4203
Room : X11.2	Join Zoom Meeting https://kmutt-ac-th.zoom.us/j/95093505758 Meeting ID: 950 9350 5758
Room : X11.3	Join Zoom Meeting

<https://kmutt-ac-th.zoom.us/j/92154423454>

Meeting ID: 921 5442 3454