



Venue: National Astronomical Research Institute of Thailand, Chiang Mai, 5-11 July 2026

The Asian Gravitational Wave Astronomy Meeting 2026 will be held on July 5-11, 2026, at the National Astronomical Research Institute of Thailand in Chiang Mai, Thailand. This meeting aims to bring together students, early-career researchers, and experts across Asia and beyond to discuss recent developments in gravitational wave astronomy, astrophysics, cosmology, and fundamental physics. This meeting follows the successful APCTP-GW2025 program held at Academia Sinica, Taipei.

AGWAM-2026 is structured as an integrated six-day program with two complementary components, organized on alternating days to maximize interaction between early-career researchers, students, and experts throughout the week.

Distinguished Invited Speakers

Alvin Chua (National University of Singapore)
Andrew Miller (International Center for Theoretical Physics, Asia Pacific)
Bruce Allen (Max Planck Institute for Gravitational Physics)
Chunglee Kim (Ewha Womans University)
Dong Lai (Tsung-Dao Lee Institute)
Feng-Li Lin (National Taiwan Normal University)
Hyung Mok Lee (Seoul National University)
Mairi Sakellariadou (King's College London)
Maria Alessandra Papa (Max Planck Institute for Gravitational Physics)
Masahide Yamaguchi (Institute for Basic Science, Korea)
Myungshin Im (Seoul National University)
Otto Hannuksela (The Chinese University of Hong Kong)
Quynh Lan Nguyen (Phenikaa University)
Siyuan Chen (Shanghai Astronomical Observatory)
Supakchai Ponglertsakul (Silpakorn University)
Takahiro Tanaka (Kyoto University)
Wang-Wei Yu (Max Planck Institute for Gravitational Physics)
Yan Wang (Huazhong University of Science and Technology)
Yuki Inoue (National Central University, Taiwan)

Organizing Committee

Apimook Watcharangkool (National Astronomical Research Institute of Thailand)
Achamveedu Gopakumar (Tata Institute of Fundamental Research)
Alvin Chua (National University of Singapore)
Hyung Mok Lee (Seoul National University)
Ian Vega (University of the Philippines)
Kin-Wang Ng (Academia Sinica)
Reginald Christian Bernardo (Max Planck Institute for Gravitational Physics)
Vicharit Yingcharoenrat (Chulalongkorn University)

Time	July 5 (Sun)	July 6 (Mon)	July 7 (Tue)	July 8 (Wed)	July 9 (Thu)	July 10 (Fri)	July 11 (Sat)	
09:00–10:00	Registration / Discussion							
10:00–10:30	Yuki Inoue	Introduction to GR	GW Instrumentation: I	Alvin Chua	Excursion	Quynh Lan Nguyen	Pulsar Timing Arrays	
10:30–11:00	Otto Hannuksela			Takahiro Tanaka		Masahide Yamaguchi		
11:00–11:30	Coffee Break	Coffee Break		Coffee Break				
11:30–12:00	Das/Saha	Coffee Break (20m)	Coffee Break	Hassan/Agrawal		Doctolero/Karadag	Coffee Break	
12:00–12:40	Dong Lai	GWs: Basics	Principles of LIGO/LISA/PTAs: II	Mairi Sakellariadou		Bruce Allen	GW Instrumentation: I	
12:40–13:00	Lunch	Lunch (80m)	Lunch	Lunch		Lunch	Lunch	
13:00–14:30								
14:30–15:00	Martens/Dorozsmai	Data Analysis: Hands On	Data Analysis: Hands On	Kobayashi/Tran		Maria Alessandra Papa	Cosmological Sources	
15:00–15:30	Feng Li-Lin			Choi/		Hyung Mok Lee		
15:30–16:00	Andrew Miller			Siyuan Chen		Chunglee Kim		
16:00–16:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break		Coffee Break	Coffee Break	
16:30–17:00	Bhat/Fiel	Principles of LIGO/LISA/PTAs: I	EFT cosmology and GWs	Special Session		Wang-Wei Yu	Interactive Session	
17:00–17:30	Supakchai Ponglertsakul					Myungshin Im		
17:30–18:00	Discussion					Yan Wang		

Full Schedule: AGWAM 2026

July 5 (Sunday) - Workshop

09:00–10:00 | Registration / Discussion

10:00–10:30 | Yuki Inoue | Introduction to Gravitational-Wave Experiments: Exploring the Universe from LIGO and CHRONOS

10:30–11:00 | Otto Hannuksela | Multimessenger binary black hole localisation

11:00–11:30 | Coffee Break

11:30–11:45 | Surajit Das | Spinning Extreme-Mass-Ratio-Inspirals into an Astrophysical Black Hole: Onset of Chaos at Astrophysically Realistic Spin

11:45–12:00 | Surojit Saha | Physics-Informed Neural Network for Kilonova Light Curves Modeling

12:00–12:40 | Dong Lai | Dynamical Formation of Merging Compact Binaries

12:40–14:30 | Lunch

14:30–14:45 | Paul Martens | Gravitational-wave lensing in an active galactic nucleus

14:45–15:00 | Andris Dorozsmai | Hierarchical mergers as tracers of globular cluster formation history

15:00–15:30 | Feng-Li Lin | Supermassive Black Hole Formations via Bondi Accretion of Self-Interacting Dark Matter

15:30–16:00 | Andrew Miller | Continuous gravitational-wave searches for dark matter in O4 LIGO data

16:00–16:30 | Coffee Break

16:30–16:45 | Sajad Ahmad Bhat | Eccentricity evolution consistency test to distinguish eccentric gravitational-wave signals from eccentricity mimickers

16:45–17:00 | Jacinth Kaye Liana Fiel | Characterizing Lower Mass Gap Binary Black Holes via Clustering Analysis of LIGO-Virgo-KAGRA Gravitational Wave Transient Catalogs

17:00–17:30 | Supakchai Ponglertsakul | TBA

17:30–18:00 | Discussion

July 6 (Monday) - School

10:00–11:30 | Introduction to GR (lecturer: Apimook Watcharangkool)

11:30–11:50 | Coffee Break

11:50–13:10 | GWs: Basics (lecturer: Ian Vega)

13:10–14:30 | Lunch

14:30–16:00 | DA Analysis: Hands On (instructor: Otto Hannuksela)

16:00–16:30 | Coffee Break

16:30–18:00 | Principles of LIGO/LISA/PTAs: I (lecturer: Achamveedu Gopakumar)

18:00 Onwards | Banquet

July 7 (Tuesday) - School

10:00–11:30 | GW Instrumentation: I (lecturer: Yuki Inoue)

11:30–12:00 | Coffee Break

12:00–13:00 | Principles of LIGO/LISA/PTAs: II (lecturer: Achamveedu Gopakumar)

13:00–14:30 | Lunch

14:30–16:00 | DA Analysis: Hands On (instructor: Siyuan Chen)

16:00–16:30 | Coffee Break

16:30–18:00 | EFT cosmology and GWs (lecturer: Vicharit Yingcharoenrat)

July 8 (Wednesday) - Workshop

10:00–10:30 | Alvin Chua | TBA

10:30–11:00 | Takahiro Tanaka | Gravitational waves from super-radiant axion clouds

11:00–11:30 | Coffee Break

11:30–11:45 | Davendra Hassan | Towards Global EMRI Search with the f-Function

11:45–12:00 | Rishav Agrawal | Characterizing Bias in Multi-Source Gravitational Wave Inference with LISA

12:00–12:40 | Mairi Sakellariadou | TBA

12:40–14:30 | Lunch

14:30–14:45 | Hideyuki Kobayashi | A High-Precision Annual Parallax Measurement Program for PTA Pulsars with VLBI

14:45–15:00 | Van Que Tran | Refining Gravitational Wave and Collider Physics Dialogue via Singlet Scalar Extension

15:00–15:15 | Han Gil Choi | The Wave Nature of Gravitational-Wave Lensing and Its Opportunities

15:15–15:45 | Siyuan Chen | Studying astrophysics with Pulsar Timing Arrays

15:45–16:30 | Coffee Break

16:30–18:00 | Special Session

July 9 (Thursday)

10:00 Onwards | Excursion

July 10 (Friday) - Workshop

10:00–10:30 | Quynh Lan Nguyen | TBA

10:30–11:00 | Masahide Yamaguchi | How to estimate the transition rate at cosmological first order phase transition?

11:00–11:30 | Coffee Break

11:30–11:45 | Carlos Jaimel Doctolero | Waveform degeneracy of binary systems and Lagrange three-body systems

11:45–12:00 | Sevgi Karadağ | A Joint Search for Circular Polarization and Kinematic Dipole Anisotropies in the Stochastic Gravitational-Wave Background

12:00–12:40 | Bruce Allen | TBA

12:40–14:30 | Lunch

14:30–15:00 | Maria Alessandra Papa | Prospects for the Detection of Continuous Gravitational Waves

15:00–15:30 | Hyung Mok Lee | Bright sirens, dark sirens and gravitational-wave cosmography

15:30–16:00 | Chunglee Kim | Compact binary coalescences as sources of gravitational waves

16:00–16:30 | Coffee Break

16:30–17:00 | Wang-Wei Yu | TBA

17:00–17:30 | Myungshin Im | Optical Follow-up Observations of Gravitational-wave Sources: Past, Present, and Future

17:30–18:00 | Yan Wang | Toward Resolving Individual Supermassive Black Hole Binaries with Pulsar Timing Arrays

July 11 (Saturday) - School

10:00–11:30 | Pulsar Timing Arrays (lecturer: Bruce Allen)

11:30–12:00 | Coffee Break

12:00–13:00 | GW Instrumentation: II (lecturer: Yuki Inoue)

13:00–14:30 | Lunch

14:30–16:00 | Cosmological Sources (lecturer: Mairi Sakellariadou)

16:00–16:30 | Coffee Break

16:30–18:00 | Interactive Session

Code of Conduct

The organizers are committed to ensuring that this workshop is a positive, inclusive, and enriching experience for all participants. We aim to foster an environment free from harassment and discrimination, welcoming individuals of all genders, sexual orientations, disabilities, physical appearances, body sizes, ethnicities, nationalities, religions and ages. Harassment of any kind will not be tolerated. Thank you for helping us create a supportive and collaborative community.

Participant Survival Guide & Logistics

Emergency Contact Hotlines

Event Coordinator Email: Apimook Watcharangkool, apimook@narit.or.th
Tourist Police (English Speaking): 1155
Ambulance & Medical Emergency: 1669
General Emergency: 191

Useful Thai Phrases for Commuting & Dining

Note: Polite particles are appended to sentences—"Khrap" (ครับ) if the speaker is male, "Kha" (ค่ะ) if the speaker is female.

Hello / Goodbye: Sawasdee (khrap/kha) | สวัสดี(ครับ/ค่ะ)
Thank you: Khop khun (khrap/kha) | ขอบคุณ(ครับ/ค่ะ)
Excuse me / Sorry: Khor thot (khrap/kha) | ขอโทษ(ครับ/ค่ะ)
Where is the restroom?: Hong nam yoo tee nai? | ห้องน้ำอยู่ที่ไหน?
How much is this?: Ra ka thao rai? | ราคาเท่าไหร่?
Not spicy, please: Mai pet (khrap/kha) | ไม่เผ็ด(ครับ/ค่ะ)
I am vegetarian: Kin jay / Mang sa wi rat | กินเจ / มังสวิรัติ
Can you call a taxi for me?: Chuay reak taek-see hai noi (khrap/kha) | ช่วยเรียกแท็กซี่ให้หน่อย(ครับ/ค่ะ)
Please take me to the Institute (NARIT): Pai song tee sa-tha-ban na-rit (NARIT) noi (khrap/kha) | ไปส่งที่สถาบันวิจัยดาราศาสตร์แห่งชาติ (NARIT) น้อย(ครับ/ค่ะ)
Please take me back to my hotel: Pai song tee rong-raem khong phom/chan noi (khrap/kha) | ไปส่งที่โรงแรมของฉันหน่อย(ครับ/ค่ะ)
Here is the address: Nee keu tee-yoo (khrap/kha) | นี่คือที่อยู่(ครับ/ค่ะ)

Essential Addresses (English & Thai)

The Venue: National Astronomical Research Institute of Thailand (NARIT), +6653121268

English: 260, Don Kaeo, Mae Rim District, Chiang Mai 50180, Thailand

Thai: สถาบันวิจัยดาราศาสตร์แห่งชาติ (องค์การมหาชน) 260 ตำบลดอนแก้ว อำเภอแม่ริม จังหวัดเชียงใหม่ 50180

The Hotel: Ibis Styles Chiang Mai, +6653908888

English: 7, Kanklong, 9, Tambon Chang Phueak, Mueang Chiang Mai District, Chiang Mai 50300, Thailand

Thai: โรงแรมไอบิส สไตล์ เชียงใหม่ 7/9 ถนนคันคลองชลประทาน ตำบลช้างเผือก อำเภอเมืองเชียงใหม่ จังหวัดเชียงใหม่ 50300