

Tentative Program Structure:

Multi 13th GNSS Asia Annual Conference

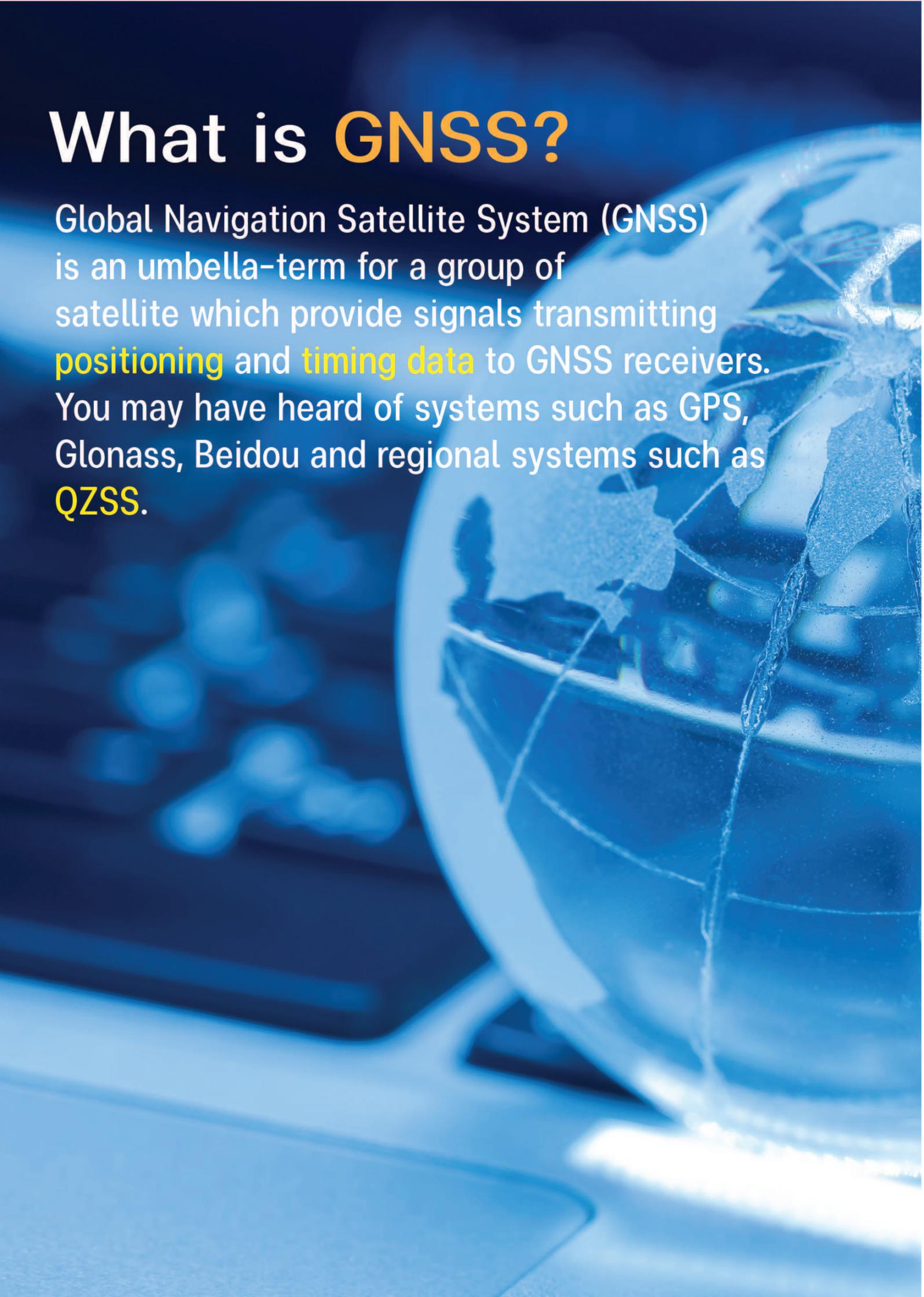
Schedule : 31st January-2nd February 2023

Royal Park Ratchapruek Chiangmai, Thailand



What is GNSS?

Global Navigation Satellite System (GNSS) is an umbrella-term for a group of satellite which provide signals transmitting **positioning** and **timing data** to GNSS receivers. You may have heard of systems such as GPS, Glonass, Beidou and regional systems such as **QZSS**.





Content

01 Welcoming Message Page 01

Opening Ceremony
Thailand-Japan Special Session
Application and Industry Session
R&D Presentation Session, etc.

02 AGENDA Page 03

Main and Side Event
Between 31st January - 2nd February 2023

03 Venue Page 09

Hotel Address
Location
Hotel Booking under MGA Programme
Thai Local resident hotel booking form
Registration System for Entering Thailand

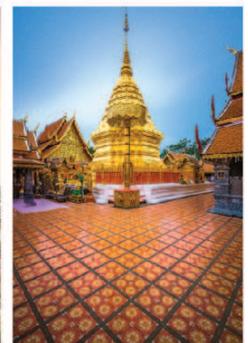


04 Chiangmai Airport & Traveling Page 11

Point of Entry Screening/ Covid-19 SWAP
Bus stop area
Airport to Hotel - Transportation Support Schedule
Contactor

05 ETC. Page 01

Traveling Plan in Chiangmai
Thai local Food
Walking Street
Thai Temple



01 Welcoming Message

Multi 13th GNSS Asia Annual Conference

Schedule : 31st January-2nd February 2023

Royal Park Ratchapruek Chiangmai, Thailand

09:00-10:15

Opening Ceremony

Special remarks are delivered by honorable guests from Cabinet Office, GISTDA, NIA, UNESCAP and Chulalongkorn University. Also, there will be a special session by MGA sponsors to introduce their latest GNSS services and products.



31st JAN 2023, 09:00-10:15(ICT)

Announcement Ceremony of ASEAN Committee and Co-Chair of Multi-GNSS Asia

What is the joint activities between Japan, Thailand and other countries in Asia and Oceania Latest joint projects, activities and opportunities in collaboration will be presented by key players.



31st JAN 2023, 10:30-11:30(ICT)

GNSS & Future Use Tech Panel Talk Session

Inviting the Global experts in GNSS field and discussing the next generation of GNSS technology and its utilization.

(moderated by Prof. Ryosuke Shibasaki,

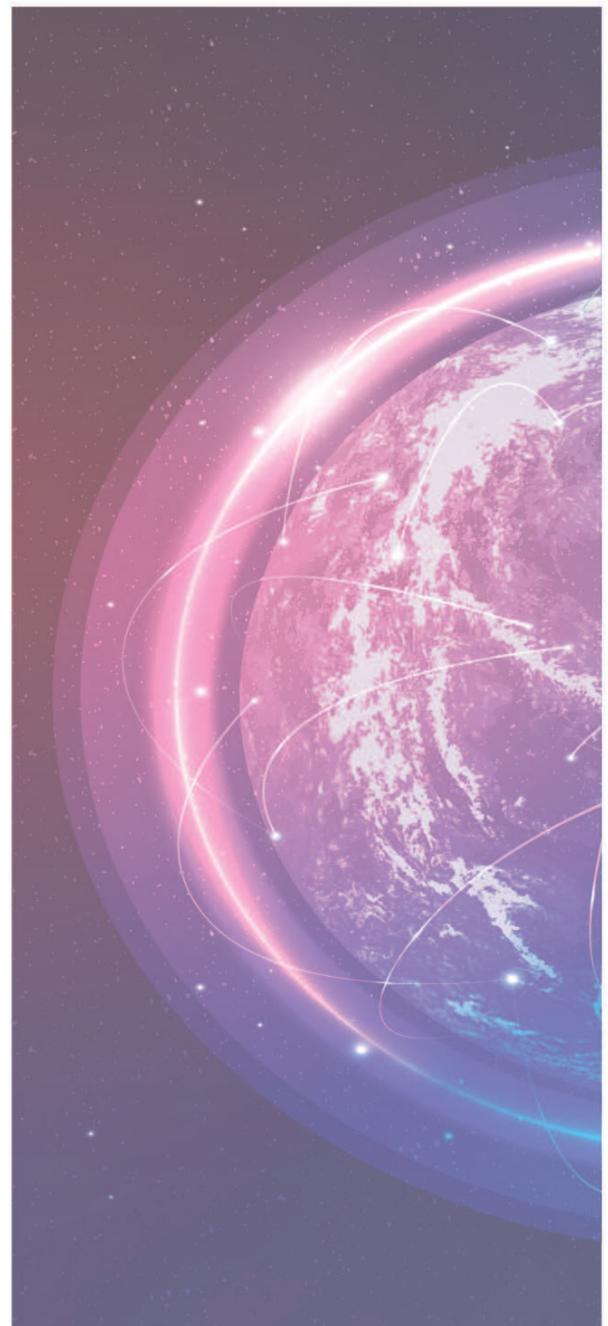


31st JAN 2023, 13:30-15:00(ICT)

System Providers Session

GNSS System Providers such as GPS, Glonass, Galileo, BeiDou, QZSS and IRNSS will present their latest status on their systems and services in Asia and Oceania regions.

(Moderated by James J. Miller, NASA)



31st JAN 2023, 16:15-18:00(ICT)
Paper and R&D Presentation Session



MGA calls for papers for those who would like to present their latest research and development on GNSS technologies. For the application form, please download from here.

(moderated by Prof. Naohiko Kohtake
 from Keio University)

1st Feb 2023, 11:30-12:30(ICT)
MGA x S-Booster Special Session



S-Booster is a space-based business idea contest organized by Cabinet Office, The Government of Japan. There will be a guidance to apply for S-Booster and a special talk session to give hint and tips for business opportunities in space sector.

(moderated by Dr. Natthawat Hongkarnjanakul,
 Director of Space Technology Development office,GISTDA)



RPD Challenge 2023 Final

Rapid Prototype Development (RPD) Challenge 2023; participating teams present their idea solutions for tsunami and flooding, and demonstrate their prototype development.

(moderated by
 Dr. Dinesh Manandhar, the University of Tokyo
 and Prof. Naohiko Kohtake, Keio University)

02 AGENDA

RPD Challenge registered participants only

Monday 30th January 2023

07:00-08:00	REGISTER
08:00-12:00	DEFINE SCENARIO /IDEA
12:00-13:00	LUNCH
13:00-17:00	RPD SYSTEM DESIGN

PLACE:



Ratchaphruek2 Room

Royal Park Ratchapruek, Chiangmai

TUESDAY 31ST JANUARY 2023

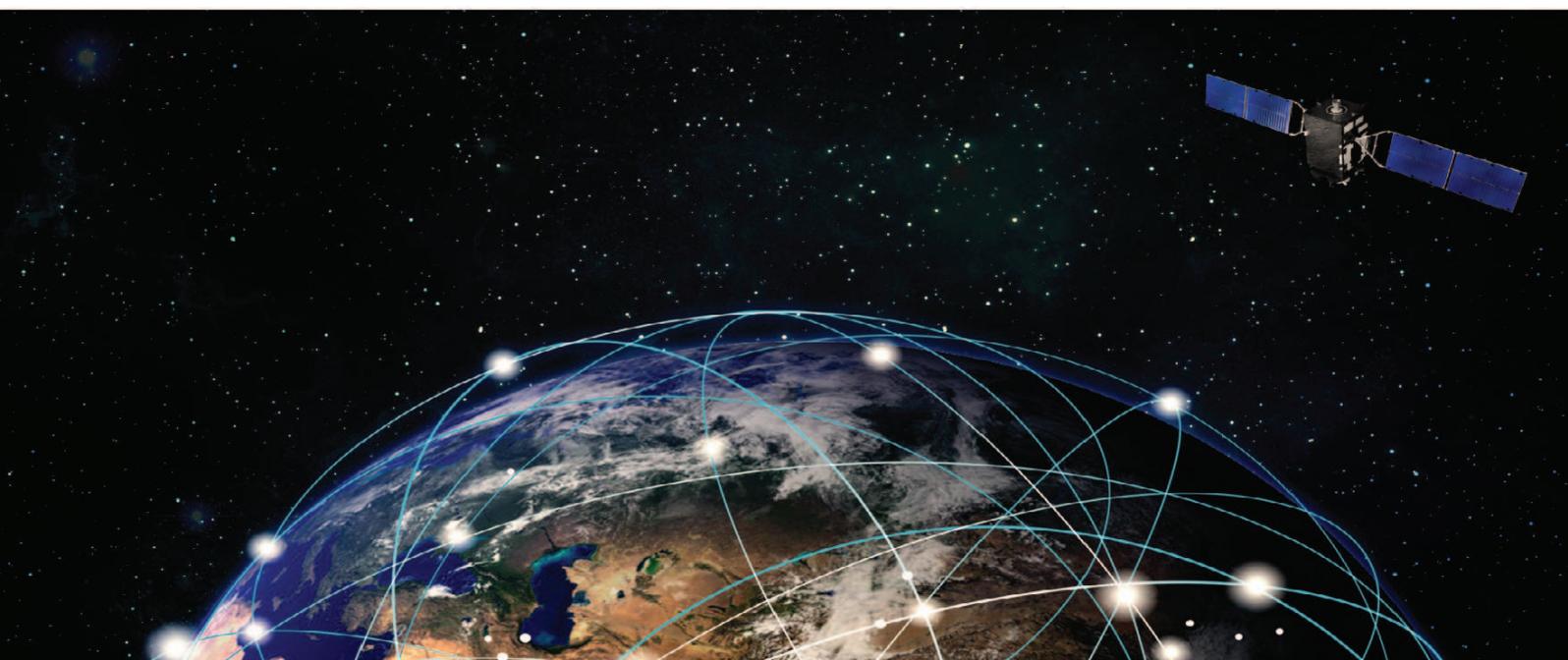
07:00-08:00	REGISTER
08:00-12:00	PROJECT PLANING
12:00-13:00	LUNCH
13:00-15:00	SYSTEM DESIGN
15:00-17:00	EXPERT MEETING

PLACE:



Ratchaphruek2 Room

Royal Park Ratchapruek, Chiangmai



02 AGENDA



TUESDAY 31ST JANUARY 2023

MGA CONFERENCE

 **PLACE: M1**

at **Ratchaphruek1 Room**
Royal Park Ratchapruek, Chiangmai

- 08:00-09:00 REGISTER
- 09:00-09:30 **OPEN CEREMONY**
- 09:30-10:15 **KEYNOTE SPEECH**
GNSS State of the Art and future Trends
Prof. Chris Rizos, Emeritus Professor, University of New South Wales
- 10:15-10:20 GROUP PHOTO
- 10:20-10:30 COFFEE BREAK by Novatel
- 10:30-11:20 **GNSS & FUTURE USE TECH PANEL TALK**
-Prof.Chalermchon Satirapod, CU (Moderator)
-Mr.Satoshi Kogure, Executive Advisor, Cabinet Office
-Prof.Ryosuke Shibasaki, The University of Tokyo
-Dr.Victor Khoo, GNSS Infrastructrue and Applications Expert, Singapore
-Prof. Ta Hai Tung, Hanoi University of Science and Technology
- 11:20-11:30 **Annoucement Ceremony of Asean comittee and Co-Chair Multi GNSS Asia**
- 11:30-12:30 **ASEAN-JAPAN 50 YEARS ANNIVERSARY SPECIAL SESSION**
-Mr.Tatiya Cheuntragun, Deputy Executive Director, GISTDA (Moderator)
-Pakorn Apaphant,Ph.D ,Executive Director, GISTDA
-Dr.Erna Sri Adiningsih, Executive Director, INASA
-Dr.Joel Joseph S. Marclano, Jr, Director General, PhilSA
-MR.Shoichiro Sakagucji, Director-General for International Cooperation, NSPS, Cabinet office
-Dr.Zurina Mokta, The ASEAN Secretariat
- 12:30-13:30 LUNCH Sponsor by Novatel

/13:30-15:00...

TUESDAY 31ST JANUARY 2023

MGA CONFERENCE

13:30-15:00

SYSTEM PROVIDERS SESSION

- Mr.James J. Miller, NASA (Modulator)
- Mr.Ivan Revnivkykh, ROSCOSMOS
- Mr.Dominic Hayes, DG-DEFIS, European Commission
- Mr.Zuohu Li, China Satellite Navigation office
- Mr.Kenji Numata, National Space Policy Secretariat, Cabinet office
- Mr.Taegyung Kim, Ministry of Science and ICT The Republic of Korea
- ISRO



PLACE: M1

at **Ratchaphruek1 Room**
Royal Park Ratchapruek, Chiangmai

15:00-15:15

COFFEE BREAK Sponsor by Novatel

15:15-16:15

SPONSOR SESSION

- Mr.Toshiyuki Miyauchi, Sony Group
- Mr.Akihiro Horii, Sony Group
- Mr.Tadashi Sasakawa,
Thailand-Japan Geospatial Cooperation Council
- Mr.Rod MacLeod, Hexagon



PLACE: M1

at **Ratchaphruek1 Room**
Royal Park Ratchapruek, Chiangmai

16:15-18:00

SESSIONS IN PARALLEL

(1) PPP World Panel Talk

- Mr.Jeffrey Auerbach, U.S. Department of State
- Dr.Rui Hirokawa, Mitsubishi Electric
- Dr.Ignacio Fernandez, DG-DEFIS
- Ms Yoko Sakai, Cabinet office
- Mr.Rod Macleod, Hexagon
- Mr.Simon Reynolds, Geoscience Australia



PLACE: M1

at **Ratchaphruek1 Room**
Royal Park Ratchapruek, Chiangmai

(2) Lasest R&D Session (Open call)

- Prof. Naohiko Kohtake (Moderator)
- 8 Academic Papers from Participants



PLACE: M2

at **Kallapapruek Room**
Royal Park Ratchapruek, Chiangmai

(3) Application Session (Open Call)

- Prof.Chalermchon Satirapod,
Chulalongkorn University (Moderator)
- Application of N-RTK provided by
Thailand National CORS Data Center



PLACE: M3

at **Chaipapruek Room**
Royal Park Ratchapruek, Chiangmai

17:15-18:00

MADOCA field Demonstration and Early Warning Message.

02 AGENDA

WEDNESDAY 1ST FEBRUARY 2023

RPD Challenge registered participants only

07:00-08:00	REGISTER
08:00-12:00	TROUBLE SHOOTING CONSULTATION
12:00-13:00	LUNCH
13:00-17:00	PITCHING MGA

PLACE:



Ratchaphruek2 Room

Royal Park Ratchapruek, Chiangmai

MGA CONFERENCE



PLACE: **M1**

at **Ratchaphruek1** Room

Royal Park Ratchapruek, Chiangmai

09:00-09:45 **EMERGING TECHNOLOGIES IN THE GNSS ERA LUNAR PNT SERVICE**

- Dr.Suwat Sreesawat, GISTDA (Modurator)
- Mr.James J. Miller, NASA
- Dr.Werner Enderle, European Space Agency
- Mr.Masaya Murata, Japan Aerospace Exploration Agency
- Prof.Yasuharu Kunii,Chuo University

09:45-10:30 **SPACE WEATHER**

- Dr.Sittiporn Channamsin, GISTDA
- Prof.Pornchai Supnithi, KMITL
- Mr.Ishii Mamoru,NICT
- Dr.Dinesh Manandhar,University of Tokyo

10:00-10:30 Coffee Break

10:30-11:30 ① **GIS & OPEN DATA PLATFORM**

- Dr.Damrongrit Niammuad,
Deputy Executive Director, GISTDA (Moderator)
- MR. PIYAWAT JRIYASETAPONG Chief Commercial Officer, Thaicom
- Mr.Prasong Patheepphoemphong, CEO, ibitz
- Representative from Japan

/10:30-11:30....

WESNESDAY 1ST FEBRUARY 2023

MGA CONFERENCE

10:30-11:30 **② Low Earth Orbit PNT**

- Mr.Satoshi Kogure, Executive Advisor,Cabinet office
- Dr.Tyler Reid, Co-Founder&CTO Xona Space
- Dr.Joshua Morales, Starnav
- Mr.Yang Long, Centispace
- Mr.Roberto Prieto Cerdeira, European Space Agency

 **PLACE: M2**
at **Kallapapruek Room**
Royal Park Ratchapruek, Chiangmai

③ Application Session

Prof.Ryosuke Shibasaki, The University of Tokyo (Moderator)

11:30-12:30 **MGA & S-BOOTSER SESSION**

- Dr.Natthawat Hongkarnjanakul, GISTDA (Moderator)
- Dr.Pun-Arj Chairatana, Executive Director, NIA
- Mr.Hidetaka Aoki, Space Evangelist, Co-Founder&Director of Space Port Japan
- Ms Kanchanit Thumrongboonkate,S-Booster Winner 2021

 **PLACE: M1**
at **Ratchaphruek1 Room**
Royal Park Ratchapruek, Chiangmai

12:30-13:30 LUNCH

13:30-17:30 **RPD Pitch Presentation**

Dr.Dinesh Manandhar, The University of Tokyo (Moderator)

Thursday 2nd Febuary 2023

MGA CONFERENCE

08:00-10:30 Daparture to Demonstration at Ban Pa Tung Ngam

International Guests will be Talking an arranged van from the hotel/
Capacity : 50 Seats

10:30-11:00 Break

11:00-12:00 Introduction of Demonstration Concept by Thailand Expert

12:00-13:00 LUNCH

13:00-16:00 Film Making and Action by the Communities in villege

03 Venue

Conference Venue



Royal Park Ratchapruek Chiang Mai

Royal Park
Ratchapruek



Google Map



Venue Building
(Exhibition Hall 1)

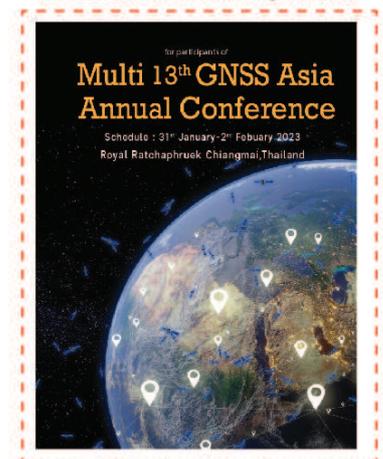


Vehicle Route



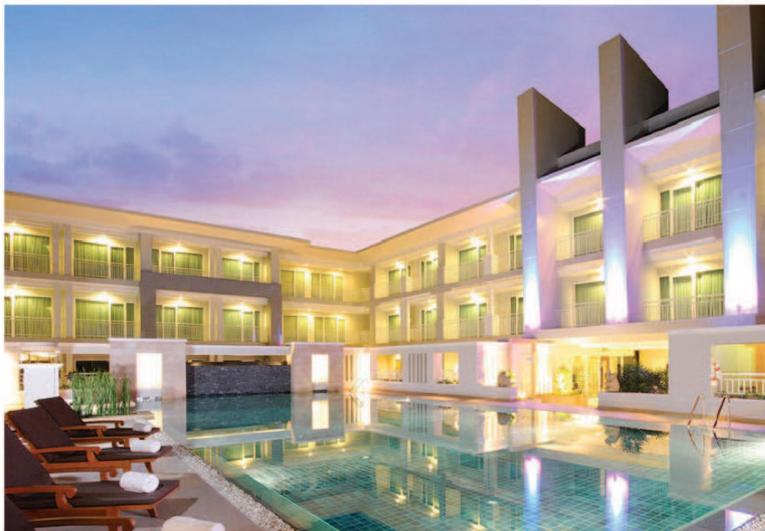
Walking Route
For Participants

Please Show the card (From your Email)

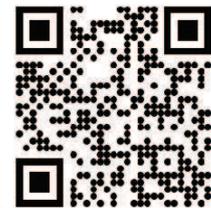


03 Venue

Accommodation



Kantary Hill Chiang Mai



Google Map

Hotel : Kantary Hill Chiang Mai

<https://www.kantaryhills-chiangmai.com/>

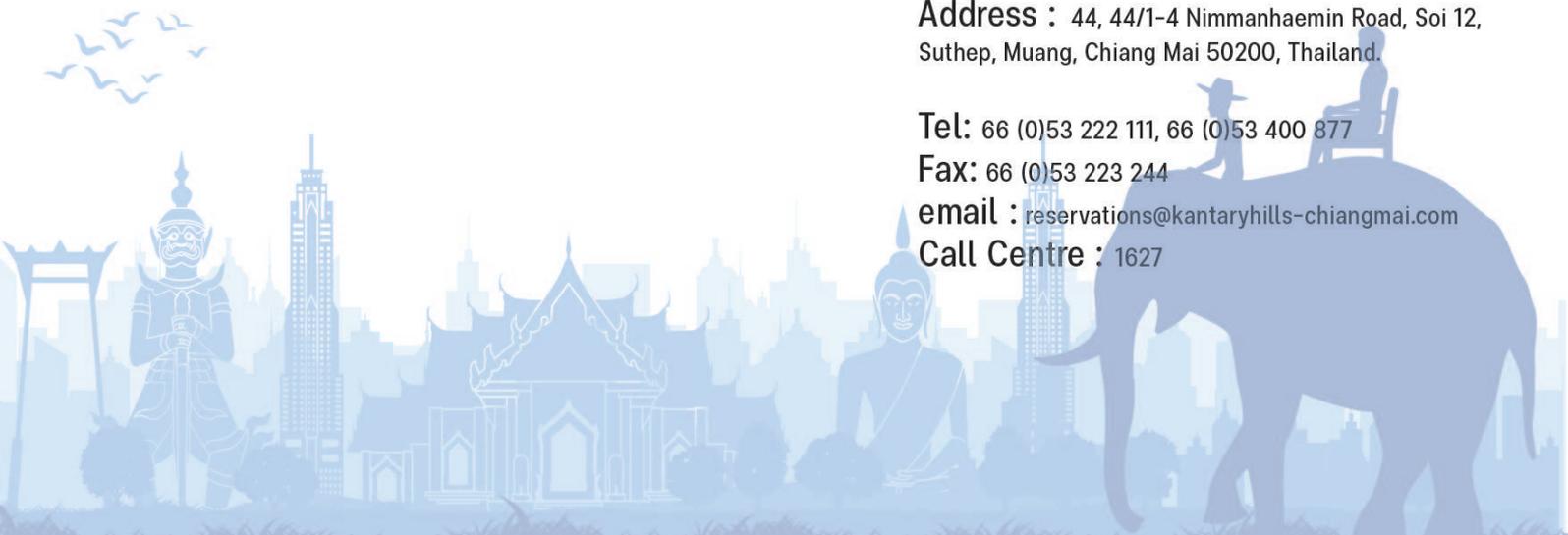
Address : 44, 44/1-4 Nimmanhaemin Road, Soi 12, Suthep, Muang, Chiang Mai 50200, Thailand.

Tel: 66 (0)53 222 111, 66 (0)53 400 877

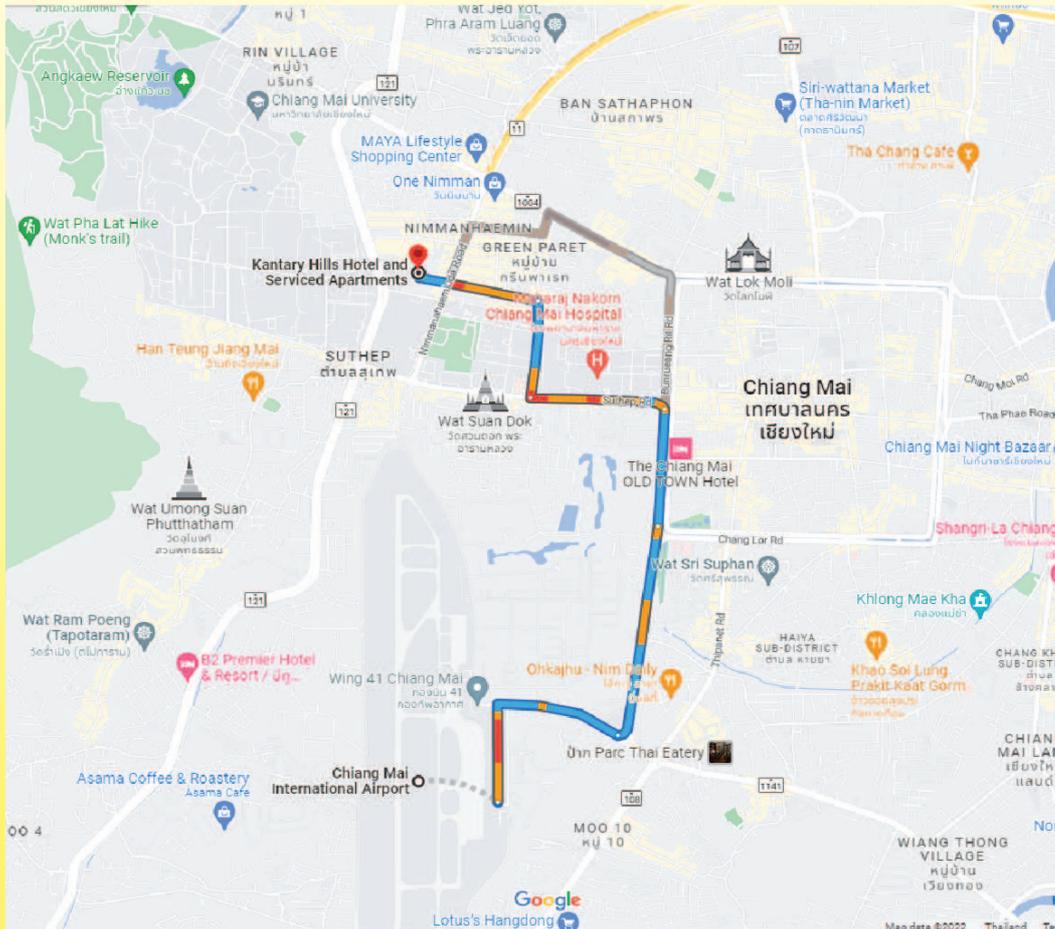
Fax: 66 (0)53 223 244

email : reservations@kantaryhills-chiangmai.com

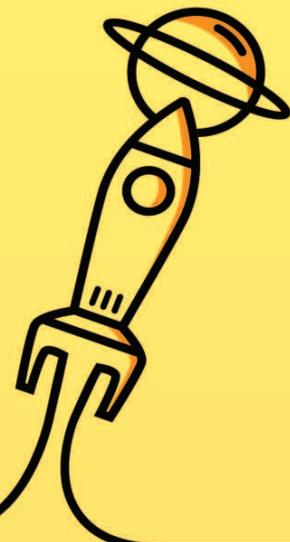
Call Centre : 1627



03 Venue



Hotel Route (16 minutes from Chiangmai International Airport to Kantary Hills Hotel)



04 Chiangmai Airport & Transport Support

Recommended Flight Schedule From Bangkok to Chiang Mai

Transportation support schedule Date/Time +Gate

29 Jan 23		FD 3447	11:35 DMK	-----	12:55 CNX	Gate 2 13:15 at Chiang Mai Airport
		FD 3433	13:25 DMK	-----	14:40 CNX	Gate 2 15:00 at Chiang Mai Airport
		FD 3445	14:40 BKK	-----	16:05 CNX	Gate 2 16:30 at Chiang Mai Airport
30 Jan 23		FD 8046	08:10 BKK	-----	09:30 CNX	Gate 2 10:00 at Chiang Mai Airport
		FD 3447	11:35 DMK	-----	12:55 CNX	Gate 2 13:15 at Chiang Mai Airport

Recommended Flight Schedule From Chiang Mai to Bangkok

Transportation support schedule

2 Feb 23		FD 4101	18:25 CNX	-----	19:45 BKK	16:30 From Kantary Hill Hotel to Chiangmai Airport
		FD 3440	19:25 CNX	-----	20:40 DMK	
3 Feb 23		FD 4101	09:05 CNX	-----	10:25 BKK	07:30 From Kantary Hill Hotel to Chiangmai Airport
		FD 4105	12:50 CNX	-----	14:10 BKK	10:30 From Kantary Hill Hotel to Chiangmai Airport
		FD 3436	12:15 CNX	-----	13:30 DMK	

Transportation Support from **Kantary Hotel to Vanue**

30th-31st January 2023
and 1st February 2023

Pick-Up at 07:30-07:45
at Front of Kantary Hotel to Vanue

From Vanue to Kantary Stanby 18:00

2rd February 2023

Pick-Up at 08:00
Departure from Kantary Hotel
to Baan Pa Tueng Ngam

(International Guest will be taking an arranged van from Kantary Hotel
Capacity : 50 Seats

Stanby From **Baan Pa to Hotel** at 16:00

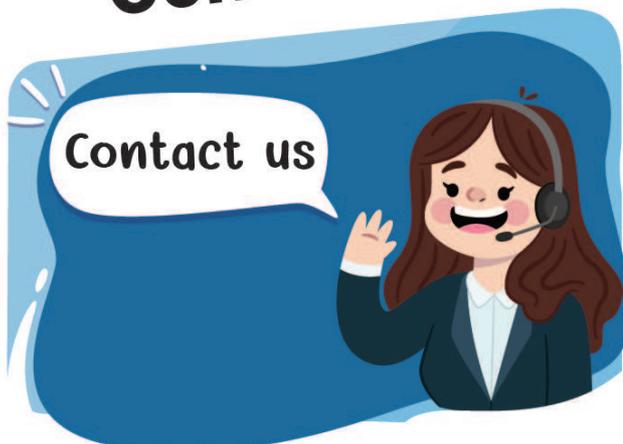
advance registration required



shorturl.at/cGKL9



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Discover
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Connect.
with **GNSS**
Bringing Space&You