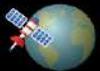


# THE FIFTH INTERNATIONAL CONFERENCE OF INDONESIAN SOCIETY FOR REMOTE SENSING (ICOIRS) AND INDONESIAN SOCIETY FOR REMOTE SENSING CONGRESS 2019

THE REVOLUTION OF EARTH OBSERVATION  
FOR A BETTER HUMAN LIFE



DAYANG SUMBI HALL, CAMPUS ITENAS  
BANDUNG  
6°53'49"S-107°38'09" E



ORGANIZED



SUPPORTED



[HTTPS://ICOIRSMAPIN2019.ORG/](https://icoirsmapin2019.org/)

2019  
**ICOIRS**

# SUMMARY

**Event** : The Fifth International Conferences of Indonesian Society for Remote Sensing (ICOIRS) and Indonesian Society for Remote Sensing Congress 2019

**Theme** : The Revolution of Earth Observation for a Better Human Life

**Programs** :

- 1. International Conference ICOIRS (17<sup>th</sup> - 20<sup>th</sup> September 2019)
- 2. MAPIN/ISRS Congress (19<sup>th</sup> September 2019)
- 3. Side event:
  - a. Workshop GIS/Remote Sensing for disaster monitoring in Southeast Asia (September 17<sup>th</sup>, 2019) collaborated by GIC-AIT Thailand.
  - b. Geomatics Scientific Meeting on Spatial Planning and Disaster ((17<sup>th</sup> – 18<sup>th</sup> September 2019) BIG in collaboration with Indonesian society for remote sensing and DBAR-coast .
  - c. Talkshow The Future of Technology and Human Resources on Remote Sensing (19<sup>th</sup> September 2019)
  - d. Certification Try Out ( 18th September 2019)
  - e. Workshop and Participatory Village Mapping (1<sup>st</sup> October - 31<sup>st</sup> November 2019).
  - f. Exhibition and Product Sell (17<sup>th</sup> - 19<sup>th</sup> September 2019).
  - g. City Tour 20<sup>th</sup> September 2019 Museum of The Asian-African Conference, Bosscha Observatory, and Tangkuban Parahu Mountain.

**Venue** : Bale Dayang Sumbi Hall, Campus of National Institute of Technology (Itenas) Bandung.

**Participants** : National and International Academics, The Ministry and The National Institute, Local Government, Researcher, Mahasiswa, and Remote Sensing and GIS Observer.

**Hosted by** :

- 1. Indonesian Society for Remote Sensing (ISRS/MAPIN)
- 2. Institut Teknologi Nasional (Itenas) Bandung
- 3. Centre for Remote Sensing (CRS) ITB Bandung
- 4. Institut Teknologi Bandung (ITB)
- 5. Universitas Pendidikan Indonesia (UPI) Bandung
- 6. Universitas Winaya Mukti (UNWIM) Bandung
- 7. Universitas Padjajaran (UNPAD) Bandung

## BACKGROUND

The 5<sup>th</sup> International Conferences of Indonesian Society for Remote Sensing (ICOIRS) and Indonesian Society for Remote Sensing Congress will be held in Bandung on September 17<sup>th</sup> - 20<sup>th</sup> 2019. The Conference is organized by the collaboration of Indonesian Society for Remote Sensing (ISRS/MAPIN), Institut Teknologi Nasional (Itenas), Centre for Remote Sensing Institut Teknologi Bandung, Universitas Pendidikan Indonesia and Universitas Winaya Mukti and is supported by Ministry of Research, Technology and Higher Education, Geospatial Information Agency (BIG), Indonesian National Institute of Aeronautics and Space (LAPAN), Agency for the Assessment and Application of Technology (BPPT), The Minsitry of Agrarian Affairs and Spatial Planning/National Land Agency (ATR/BPN) and Metereological, Climatological and Geophysical Agency (BMKG).

The event will bring together researchers, policy makers, and practitioners from developed and developing countries to share insights into the challenges and opportunities of remote sensing technology and its application in solving the problems of Indonesia especially and South East Asia countries. It will showcase cutting-edge research from around South East Asia, focusing on themes of equity and risk, learning, capacity building, methodology, and possibly investment approaches in remote sensing. It will explore practical adaptation policies and approaches, and share strategies for decision making to support global cooperation for conserving the earth and for a better human life.

We invite you, your partners, and colleagues to join us in the 5th International Conferences of Indonesian Society for Remote Sensing (ICOIRS) and Indonesian Society for Remote Sensing Congress in Bandung West Java Indonesia and make a successful conference on the application of Remote Sensing, Photogrammetry, GIS, GPS, and other related digital mapping technologies in Indonesia and South East Asia

## THEME

The Revolution of Earth Observation for a Better Human Life

## THE OBJECTIVES

The objectives of the international conference and ISPRS/MAPIN congress include:

1. Sharing information, knowledge, policy and development of remote sensing technology.
2. Expanding networks of collaboration between academics, government, the private sector, community and other stakeholders.
3. Expanding research networks between domestic and foreign researchers institutions, creating a sustainable cooperative relationship.
4. As a media to improve the quality and quantity of researchers publications.
5. Introducing a new technology of remote sensing to the community.
6. Election and deliberation congress formation of ISRS/MAPIN for the next period.

## THE ADVANTAGES

The advantages of international conference and ISPRS/MAPIN congress include:

1. To increase scientific capacity, technology and other information relating to remote sensing in Indonesia and the world
2. To increase collaboration between academics, government, the private sector, society, and other stakeholders.
3. To increase research networks between domestic and foreign researchers institutions.
4. To improve scientific publications from domestic and foreign researchers.
5. To improve knowledge of remote sensing user in the community.
6. The establishment of a new MAPIN congress formation for the next period.

## PARTICIPANTS

The participants of international conference and ISPRS/MAPIN congress event among others:

1. The policymakers at the top and regional governments.
2. The Academics from various local and foreign universities.
3. Users on remote sensing technology at various levels.
4. The private sector related to the implementation of remote sensing.
5. The Observers of remote sensing technology.
6. Students and parties interested in participating.

## DATE AND VENUE

The international conference and ISPRS/MAPIN congress will be held on:

Date	: 17 <sup>th</sup> -20 <sup>th</sup> September 2019
Day	: Tuesday - Friday
Time	: 08.30 - 16.00
Venue	: Itenas Campus, at Bale Dayang Sumbi hall, Jl. PKH. Mustophha No. 23, Bandung 40124 - Indonesia
Phone	: +62-22-7272215 ext. 115 +62-821-2976-2959
Fax	: +62-22720892
Website	: <a href="http://itenas.ac.id">www.itenas.ac.id</a> or <a href="http://icoirsmapin2019.org">http://icoirsmapin2019.org</a>



Picture 1. Bale Dayang Sumbi Itenas (Outside)



Picture 2. Bale Dayang Sumbi Itenas (Inside)

## EVENT PROGRAMMES

### a. **The 5<sup>th</sup> International Conferences of Indonesian Society for Remote Sensing**

Date : Tuesday - Friday, 17<sup>th</sup>-19<sup>th</sup> September 2019  
Time : 08.30 - 16.00  
Venue : Itenas Campus, at Bale Dayang Sumbi hall,  
Estimated Attendance : 500 participants  
Theme : The Revolution of Earth Observation for a Better Human Life

Science Topic :

#### **Remote Sensing Application**

- Forestry
- Environment and Environmental Health
- Agriculture and Plantation
- Disaster Management (Flood, Landslide, Forest fire, Earthquake, Tsunami)
- Marine and Coastal
- Geoscience
- Hydrology and Water Resources
- Climate Change and Its Impact
- Urban and Regional Planning and Smart City Planning
- Cultural Heritage Mapping

## **Geographic Information System (GIS)**

- 2D/3D/4D GIS Applications
- Web GIS Applications
- Mobile GIS Applications
- Participatory GIS Applications

## **GNSS and Photogrammetry**

- CORS GNSS Technology
- Digital Photogrammetry

## **Data Processing, Analysis, and Modelling**

- DEM/3D Generations
- Change Detection
- Data Fusion
- Hyper-spectral Data Processing
- Feature extraction
- Automatic Classification
- High Resolution Data Processing
- LIDAR Data Processing

## **Technology Advancement**

- Hyper-spectral Remote Sensing
- Application of New Sensors
- UAS/UAV/Drone
- Photogrammetry

### **Important Date:**

Abstract Submission Deadline	: 24 <sup>th</sup> May 2019
Abstract Acceptance Notification	: 31 <sup>st</sup> May 2019
Full paper Submission Deadline	: 31 <sup>st</sup> July 2019
Full Paper Acceptance Notification	: 23 <sup>rd</sup> August 2019

### **Scientific Publication**

The article that will be presented has been corrected by reviewers and it will be published into proceedings. For authors who are interested in publishing their article in proceedings indexed by Scopus, the committee will forward the article to the editorial proceedings in collaboration at this conference.

**b. ISRS/MAPIN Congress : The election of The President and congress formation of ISRS/MAPIN**

Date : Thursday, 19<sup>th</sup> September 2019  
 Time : 13.00 - 15.00 WIB  
 Venue : Itenas Campus, Audio Visual Room.  
 Estimated Attendance : 50 participants

**c. Workshop GIS/Remote Sensing for disaster monitoring in Southeast Asia (collaborated by GIC-AIT Thailand)**

Date : Tuesday, 17<sup>th</sup> September 2019  
 Time : 13.00 - 16.00 WIB  
 Venue : Itenas Campus, Audio Visual Room  
 Estimated Attendance : 200 participants

**d. Geomatics Scientific Meeting on Spatial Planning and Disaster BIG in collaboration with Indonesian society for remote sensing and DBAR-coast**

Date : Tuesday - Wednesday, 17<sup>th</sup> - 18<sup>th</sup> September 2019  
 Time : 08.30 - 16.00 WIB  
 Venue : Itenas Campus, Audio Visual Room  
 Estimated Attendance : 200 participants

**e. Talkshow : The Future of Technology and Human Resources on Remote Sensing**

Date : Thursday, 19<sup>th</sup> September 2019  
 Time : 08.30 - 12.00 WIB  
 Venue : Itenas Campus, Bale Dayang Sumbi Hall  
 Estimated Attendance : 500 participants

**f. Workshop and Participatory Village Mapping**

Date : 1<sup>st</sup> October - 31<sup>st</sup> November 2019  
 Time : 08.30 - 17.00 WIB  
 Venue : Itenas Campus, Audio Visual Room  
 Participants : Students and Head of the village of Cilengkrang sub-district

**g. Exhibition and Selling**

Date : Tuesday - Thursday, 17<sup>th</sup> - 19<sup>th</sup> September 2019  
 Time : 08.30 - 16.00 WIB  
 Venue : Itenas Campus at Bale Dayang Sumbi Hall  
 Estimated Attendance : 25 Exhibitors



#### **h. Certification Try Out**

Date	:	Wednesday, 18 <sup>th</sup> September 2019
Time	:	08.30 - 16.00 WIB
Venue	:	Itenas Campus, 14301 Faculty Room
Estimated Attendance	:	100 participants

#### **i. City Tour**

Date	:	Friday, 20 <sup>th</sup> September 2019
Time	:	08.30 - 17.00 WIB
Venue	:	Museum of The Asian- African Conference, Bosscha Observatory, Tangkuban Parahu Mountain
Estimated Attendance	:	100 participants



## CONFERENCE PUBLICATION STRATEGIES

The strategy that will be implemented in the events of The 5<sup>th</sup> ICOIRS and ISRS/MAPIN congress 2019 are publications through the official website of ICOIRS 2019 (<https://icoirsmapin2019.org>), social media such as *Facebook*, *Twitter*, *Instagram*, and *Youtube*, outdoor advertising, radio advertisement, and newspaper, also posters, banners, and other printout format.



## REGISTRATION

#### **a. Registration Fee**

Estimated Attendance for ICOIRS events are 500 participants with registration fees as follows:

1. Online Registration and ICOIRS Proceedings	IDR	900.000
2. Online Registration and ICOIRS Proceedings (MAPIN Member)	IDR	750.000
3. Participant Registration (Undergraduate Student)	IDR	500.000
4. Registration and IOP Proceeding-Indexed Scopus	IDR	2.200.000
5. Registration and IOP Proceeding-Indexed Scopus (MAPIN Member)	IDR	1.850.000
6. Foreign Students	USD	150
7. Foreign Students and IOP Proceeding-Indexed Scopus	USD	225
8. Foreign Participants	USD	200
9. Foreign Participants and IOP Proceeding-Indexed Scopus	USD	275
10. Non Presenters	IDR	600.000
11. MAPIN Registration (3 years)	IDR	325.000



b. Exhibition

Booth rent

IDR 7.500.000

The exhibition room will be divided into 25 booth units with the location near the conference. The exhibitors can develop their own stand as needed. The facilities provided by the committee for each stand include:

- Standard partition : White partition with a stand area of 2 x 3 meters
- Lettering the name of the company/institution + Seminar kit
- 1 (one) table, 2 (two) chairs, electricity with 1 (one) socket
- 2 (two) ID Card
- Company names in Handbook of The 5<sup>th</sup> ICOIRS 2019 as exhibitors

## SPONSOR PACKAGES

Sponsor non booth:

- a. Silver** IDR 7.500.000
  - Display company logo in handbook, backdrop, banner and official website.
  - Announced by MC as Silver Sponsor during the conference.
- b. Gold** IDR 20.000.000
  - Display company logo in handbook, backdrop, banner and official website.
  - Announced by MC as Gold Sponsor during the conference.
  - Display the company logo in the half page of the handbook.
- c. Premium** IDR 40.000.000
  - Display company logo in handbook, backdrop, banner and official website.
  - Announced by MC as Premium Sponsor during the conference.
  - Display the company logo in the full page of the handbook.

Sponsor with booth:

- a. Silver** IDR 10.000.000
  - 1 (one) exhibition booth (2 x 3 m).
  - Display company logo in handbook, backdrop, banner, and official website.
  - Announced by MC as Silver Sponsor during the conference.
  - Free two registrants.
  - Presentation in special session at the market podium.
- b. Gold** IDR 25.000.000
  - 1 (one) exhibition booth (2 x 6 m) or is equivalent to two standard booth.
  - Display company logo in handbook, backdrop, banner, and official website.
  - Announced by MC as Gold Sponsor during the conference.
  - Free three registrants.
  - Presentation in special session at the market podium.
  - Display the company logo in the half page of handbook.
- c. Premium** IDR 50.000.000
  - 1 (one) exhibition booth (2 x 6 m) or is equivalent to two standard booth.
  - Display company logo in handbook, backdrop, banner, and official website.
  - Announced by MC as Premium Sponsor during the conference.
  - Free four registrants.
  - Presentation in special session at the main hall.
  - Display the company logo in the full page of handbook.

**Registration fee and sponsorship for 5th ICOIRS 2019 must be transferred to:**

- Rec No. : 080731365
- Bank : Bank Negara Indonesia Perguruan Tinggi Bandung Branch
- Name : ICOIRS 2019
- Address : Jln. PKH Mustofa No 23. Bandung

# COMMITTEE

## Advisory Board

- Prof. Dr. Ir. Hasanuddin Zainal Abidin, M.Sc. (BIG)
- Prof. Dr. Ir. Dewayany Sutrisno, M.App.Sc. (MAPIN/ISRS)
- Dr. Orbita Roswintiarti, M.Sc. (LAPAN)
- Dr. Dewi Kania Sari, M.T. (Itenas)
- Dr. Ir. Bambang Edhi Leksono (MAPIN/ISRS)
- Prof. Dr. Bangun Mulyo Sukoco, DEA., DESS. (ITS)
- Prof. Dr. Ketut Wikantika, M.Sc. (ITB)
- Prof. Projo Danoedoro, M.Sc., Ph.D. (UGM)

## Chair

- Dr. Soni Darmawan, M.T. (Itenas)

## Finance

- Rika Hernawati, S.T., M.T. (Itenas)

## Technical Program

- Dr. Wikanti Asriningrum (LAPAN)
- Rizka Windiastuti, MIT (BIG)
- Dr. Henri Kuncoro, M.T. (Itenas)
- Ni Made Rai Ratih C.P., S.T., M.Si. (Itenas)
- Nurul Yuhana Fia, S.T., M.T. (Itenas)
- Dr. Lili Somantri, S.Pd., M.Si. (UPI)
- Nanin Trianawati S, S.T., M.T. (UPI)
- Levana Apriani, S.T., M.T. (UNWIM)
- Aning Haryati, S.T., M.T. (UNWIM)
- Mega Laksmini S., Ph.D. (UNPAD)
- Dr. M. Candra Wirawan Arief (UNPAD)
- Dr. Eng. Anjar Dimara Sakti, M.Sc. (CRS ITB)
- Dr. Lissa Fajri Yayusman (CRS ITB)

## Registration

- Dr.rer.nat Dian N Handiani, M.T. (Itenas)
- Aprilana, Ir., M.T. (Itenas)
- Indrianawati, S.T., M.T. (Itenas)
- Muhammad Ihsan, S.T., M.Si. (UPI)
- Riki Ridwana, S.Pd., M.Sc. (UPI)
- Thonas Indra Maryanto, S.Kel., M.T. (Itenas)
- Shafira Himayah, S.Pd., M.Sc. (UPI)
- Ibnu Faizal, M.T. (UNPAD)
- Firman Ghazali, S.Pd., M.T. (CRS ITB)
- Dina Noviana R., S.T. (CRS ITB)

## Exhibition

- Gusti Ayu Jessy Kartini, S.T., M.T. (Itenas)
- Monica Maharani, S.T., M.Eng. (Itenas)

## Tour Organizer

- Rinaldy, S.T., M.T. (Itenas)
- Denis S Singawilastra, S.T., M.T. (UNWIM)

## Funding and Sponsorship

- Dr. Yosef Prihanto, M.Si. (MAPIN)
- Hary Nugroho, Ir., M.T. (Itenas)
- Sumarno, Ir., M.T. (Itenas)
- M. A. Basyid, Ir., M.T. (Itenas)
- Dr. Rian Nurtyawan, M.T. (Itenas)

## Advertising and Website

- Fikri Zainul Fuadi (Itenas)
- Aristiya Putri Widyandatara (Itenas)

## Design and Documentation

- Dicky Nugraha (Itenas)
- Rifdi Andzar Nazhara (Itenas)

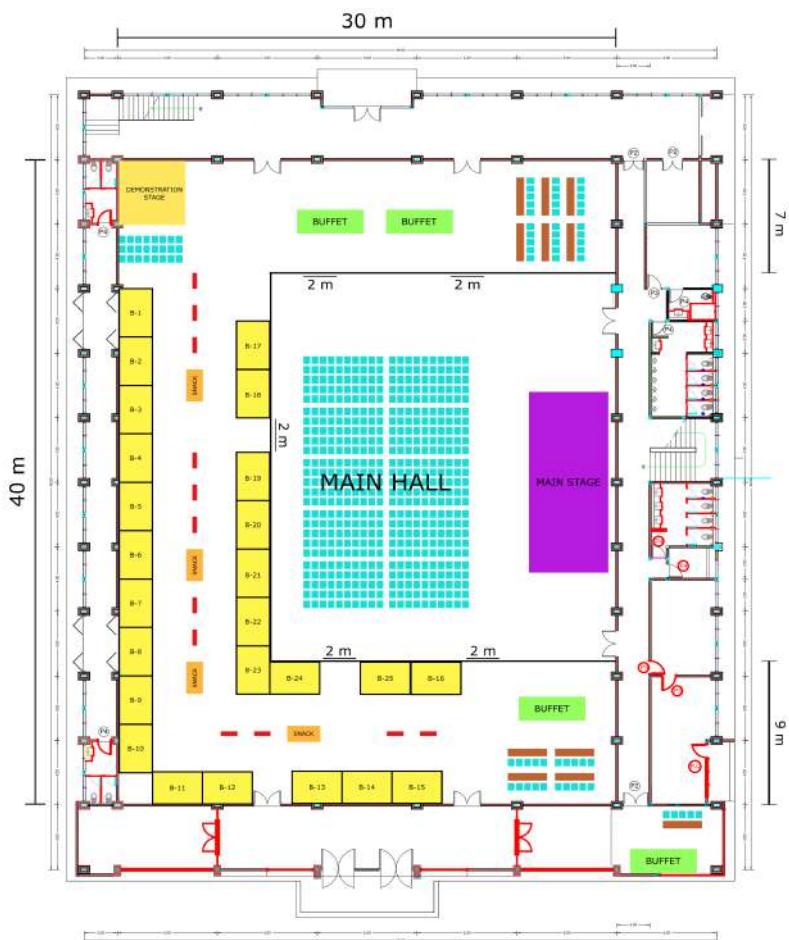
## Local Arrangements

- Students From Itenas, ITB, UPI, UNWIM, UNPAD.


**BUDGET**

a. Income	
1. Committee	IDR 50.000.000
2. Registration Fee	IDR 312.500.000
3. Booth Fee	IDR 187.500.000
4. Sponsor	IDR 395.000.000
	Total IDR 945.000.000
b. Expenditure	
1. Pre-event	IDR 50.000.000
2. All event	
- Seminar Kit	IDR 137.500.000
- Luncheons & Banquets	IDR 265.000.000
- Decoration & Equipment	IDR 114.500.000
- Award & Placard	IDR 31.000.000
3. Scopus Proceedings	IDR 139.000.000
4. Invitation and accommodation	IDR 208.000.000
	Total IDR 945.000.000

# LAYOUT



#### Other Rooms:

Other Rooms : Ball Room Ball room Bale Dayang Sumbi

Ball Room 1 Ball Room 2nd Dayang Sumbi  
Room 1 Sale Dayang Sumbi 2nd floor room 1

Room -2 Bale Dayang Sumbi 2nd floor room 2

Room -3                      Audio visual room  
TS                              Technical Session

## CLOSING

Thank you very much for your attention and participation.

See you soon in Bandung.

Bandung, 02<sup>nd</sup> March 2019  
Chief of The 5<sup>th</sup> ICOIRS 2019

Dr. Soni Darmawan, M.T.

