ACRS 2024

45th Asian Conference on Remote Sensing

"Stepping Towards Economic Sustainability through Spatial Data Services"

17 th to 21st of November - 2024

Organized by

| Asian Association on Remote Sensing (AARS) | Survey Department of Sri Lanka |

Conference Venue
Monarch Imperial
31A, New Hospital Road, Sri Jayewardenepura, Kotte Sri Lanka

Sri Lanka

Sri Jayewardenepura Kotte is the capital of Democratic Socialist Republic of Sri Lanka. It is located 40 km from Bandaranayeke International Airport, Colombo. Sri Lanka's bustling commercial hub is located in the country's west coast. The average temperature in October - November is about 27˚C. Standard Time is UTC+5.30.

Dear International Colleagues,

We are delighted to invite you to the 45th Asian Conference on Remote Sensing (ACRS) which will be held at Monarch Imperial, the luxury dining and convention centre in Sri Jayewardenepura Kotte, the capital of Sri Lanka, from 17th to 21st November 2024. The 45th ACRS is a prestigious annual event organized by Asian Association on Remote Sensing (AARS) and Survey Department of Sri Lanka.

The prime objectives of ACRS are

1. Exchange technical expertise and academic experiences
2. Promote operational applications of Remote Sensing and related technologies
3. Discuss about the issues related to Remote Sensing and Geo Information Management
4. Promote regional corporation among member countries

The conference theme

"Stepping Towards Economic Sustainability through Spatial Data Services"

The conference theme shows how the scientific research related to spatial data can contribute to the economic sustainability of the emerging societies and communities in the world. The conference will be a very good platform to geo-spatial expertise and researchers for exploring the insights of spatial data technologies promote their research findings, exchange knowledge among participants at the conference.

Special Sessions

- *Invited speakers from various RS/GIS fields will attend the conference.*
- *The latest technologies and products on Remote Sensing will be presented at the exhibitor's session.*
- *Complementary excursion to down south of the country and a city tour will be offered to limited number of participant based on first comes first serve policy*
- *Special session on Satellite Program*

Suggested Topics for technical papers

1. **Remote Sensing and It's application**

   Remote Sensing for Sustainable Development, Land Use Applications and Land Cover Dynamics, Forest and Vegetation Applications and Modeling, Agriculture, Urban and Environment Concerns, Wetlands and Inland Waters Modeling, Numerical Weather Prediction and Data Assimilation, Risk and Disaster Management, Remote Sensing for Climate Change Impacts, Atmospheric Sounding and Ionospheric Remote Sensing, Ocean Biology (Color) and Water Quality, Ocean Temperature and Salinity

2. **Algorithms and image processing techniques**

   Image Segmentation, Patten Recognition, Feature Extraction and Reduction, Object Detection and Recognition, Classification and Clustering, Inversion Techniques, Change Detection and Temporal Analysis, Point Cloud Processing, Digital Elevation Modeling, 3D mapping, Data Fusion and Data Mining, SAR and InSAR Processing, Hyperspectral Data Processing and Analysis

3. **Sensors, Platforms and Calibration**
   Space borne SAR and Hyper spectral Missions, LIDAR Sensors, UAV and Airborne Platforms, High Altitude Platforms, SAR and Microwave Sensing, Microwave Radiometer Calibration, SAR and Radar Instrument Calibration, Microwave Radiometer Instruments

4. **Photogrammetry and it's applications**
   Close-range Photogrammetry, Mono- and Stereo Photogrammetry, Digital Surface Model and Digital Elevation Model, Point Cloud Generation, Processing and Analysis

5. **Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping**
   Geo-Spatial Science for Sustainable Development, Geo-Spatial Data Services for Economic Sustainability, Geosciences and Remote Sensing for Disaster Management, Urban Resilience and Tourism, Land Management and Land Information System, GIS and Navigation, Spatial Data Analysis and Geo-Data Management, Web Mapping Technology and Web Map and Feature Services with Open Geo-Spatial Consortium, Location based services and applications

6. **Cloud computing, Big Data and AI in Remote Sensing**
   Cloud computing and storage, Artificial intelligence and machine learning, Computer vision and image processing, Data Analytics and AI Techniques in Remote Sensing

7. **Global Navigation Satellite Systems**
   GNSS Surveying and Geodesy, Differential GPS and RTK (real-time kinematic) systems, CORS Network Real-Time Kinematic Positioning, Precise Point Positioning (PPP),Local Area Augmentation System, Local Area Augmentation System (LAAS) and Ground Based Augmentation System (GBAS)

8. **Education and Policy**
   Education and Remote Sensing, Remote Sensing Data and Policy Decisions, Capacity Building, Education and Training, Legal, Ethical and Social Issues

Special Sessions
1. WEBCON
2. Summer school
3. White Elephant Session
4. Exhibitors sessions
5. Satellite Program Session

Important dates

Call for papers	**01st March 2024**
Deadline for submission of Abstracts	**15th June 2024**
Deadline for notification of acceptance	**07th July 2024**
Deadline for full paper submission	**01st August 2024**

Note : It is the responsibility of authors to adhere to the deadlines and guidelines of Abstract and Paper submissions as mentioned in the conference website.
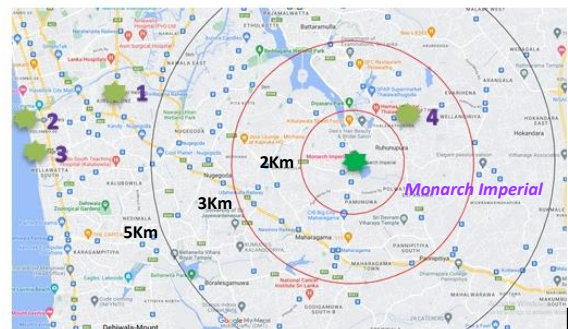
Submission of Abstracts

Abstracts should be submitted electronically through the conference website www.survey.gov.lk/acrs2024 Submissions received after the deadline, will not be considered in the conference proceedings. The abstract should be limited to 500 words and guidelines for abstract and full paper will be published in the web soon.

All are invited to submit abstracts of their papers to ACRS 2024. We especially welcome papers covering fields of topics suggested above. In addition to the suggested topics, we also welcome submissions on research and applications of new technologies in the Remote Sensing and Spatial Information fields that you may want to share.

Accommodation
Nearest hotels to the conference venue are shown below.

No	Name of the Hotel	Contact Number
1	Best Western	+94 117 527 527
2	Global Towers	+94 112 591 000
3	Mirage Hotel	+94 112 363 471
4	Grand 7 Hotel	+94 112 171 188

Exhibition Compartments

Technical exhibition will be open for all five days categorizing as Platinum, Gold, Silver, Bronze and other exhibitors. Pricing ranges are from 30,000 US$ - 2,500 US$ at your choice.

Category	Platinum	Gold	Silver	Bronze	Exhibitors
Price/US$	30,000	12,000	10,000	8,000	2,500

Conference Registration fee:

Category	Early bird- full conference (2024/03/01 - 2024/06/30)	Normal- Full conference (2024/07/01- 2024/11/21)	Per day conference
Foreign Participants	180 US$	200 US$	
Local participant	LKR 25,000	LKR 30,000	LKR 7,500
Local University Students	LKR 15,000	LKR 20,000	LKR 5,000

Contact information
Secretariat / ACRS2024
Surveyor General's Office
150, Bernard Soysa Mawatha, Colombo 5
Tel: +94-112368102 and +94-112369011 (ext. 433)
Email: acrscmb2024@gmail.com
Web: www.survey.gov.lk/acrs2024