



2nd Global Congress on ADVANCED SATELLITE COMMUNICATIONS

October 16-17, 2024

London, UK

Theme:

Satellite Horizons: Navigating the Future of Connectivity

Sub-themes:

- Satellite Technologies for Exploration and Innovation
- Space-Based Internet and Connectivity Solutions
- Security and Resilience in Satellite Communications
- Satellite Applications for Climate Monitoring and Disaster Response
- Global Collaboration in Satellite Space: Policies, Partnerships, and Regulations
- 5G Integration with Satellite Communications: Convergence for Seamless Connectivity
- Advancements in Earth Observation Satellites: Monitoring and Managing Our Planet
- Human Space Exploration and Satellite Communications: Enabling the Journey Beyond Earth

Adv. satellite 2024

<https://advanced-satellite-communications.peersalleyconferences.com/>

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DAYS WITH MORE THAN
45 SESSIONS,
KEYNOTES &
ORAL PRESENTATIONS

12+

INNOVATIVE FEATURED
SPEAKERS

20+

HOURS OF
NETWORKING EVENTS

60+

INTERNATIONAL
SPEAKERS

125+

EDUCATIONAL SESSIONS

2

**DAYS WITH MORE THAN 45 SESSIONS,
KEYNOTES & ORAL PRESENTATIONS**

**INNOVATIVE
FEATURED SPEAKERS**

12+

20+

HOURS OF NETWORKING EVENTS

INTERNATIONAL SPEAKERS

60+

125+

EDUCATIONAL SESSIONS

WHO? SHOULD ATTEND

- Engineers, scientists, and technologists working in the field of satellite communications and related areas.
- Researchers and academics working in the field of telecommunications, wireless networking, signal processing, and related areas.
- Representatives from government agencies, regulatory bodies, and industry associations involved in satellite communications policy and regulation.
- Business leaders, entrepreneurs, and investors involved in the development and commercialization of satellite communications technology.
- Graduate and undergraduate students studying telecommunications, electrical engineering, computer science, and related fields.

WELCOME MESSAGE

Academician Boyko Rangelov

Bulgarian Academy of Science and Arts, BULGARIA



Dear esteemed speakers, participants and guests,

It is with great pleasure that we welcome you to the **Global Congress on Advanced Satellite Communications 2024**. This conference is a remarkable opportunity for scientists, experts and stakeholders in the field of satellite communications and investigations to gather, share knowledge, and engage in productive discussions around the latest trends, advancements and achievements in this rapidly worldwide evolving field.

Over the course of this congress, we will explore topics ranging from the next generation of satellite technologies, to security and resilience in satellite communications, as well as the role of satellite communications in rapid development of the space exploration and exploitation. We will also look at the emerging applications of satellite communications in areas such as autonomous vehicles, smart cities, geodynamics and augmented reality.

Through a series of engaging keynote speeches, distinguished speaker talks, panel discussions, and networking events, we aim to foster a dynamic and collaborative environment that inspires innovation and promotes progress in the field of satellite communications and investigations.

During the previous meeting in Adv Satellite2023 we exchanged advanced ideas, new and effective solutions, scientific investigations and revolutionary results in the field of satellite communications and exploration.

Furthermore, this congress is an opportunity to build valuable connections and relationships with peers and thought leaders in the industry.

We hope that you'll find this congress informative, productive, and enjoyable. Thank you for joining us, and we look forward to an exciting and successful event together.

Welcome in London to Adv. Satellite 2024

WELCOME MESSAGE

Ucuk Darusalam

Universitas Nasional, Indonesia



**UNIVERSITAS
NASIONAL**
PIONIR PERUBAHAN



Dear esteemed guests, speakers, and participants,

It is with great pleasure that we welcome you to the **Global Congress on Advanced Satellite Communications 2024**. This conference is media of sharing idea, innovations, new knowledge and experience in the field of satellite technology development.

Over the course of this congress, we will explore topics ranging from the development of satellite platform that support inter-satellite networks as well as deep-space communications for the searching of planet like-earth, until the development of information technology that evolve to create new digital technology.

Through a series of engaging researcher world-wide and industry expert in the field, the participant of conference will enjoy the experience of new insight about future communications technology that fulfill the mobile access in the globe.

Furthermore, this congress is an opportunity to build the capacity to better understanding frontier development in the satellite technology.

We hope that you find this congress brings you a new experience and motivation to be one of game changer in the satellite development.

With best regards,

Ucuk Darusalam,

Universitas Nasional, Indonesia

PRESENTATION FORUM

KEYNOTE FORUM / MINI-PLenary SESSIONS

Presentations under Keynote Forum or Mini-Plenary Sessions includes abstracts with remarkable research value selected by the program committee. These significant speeches are delivered by globally recognized honorable speakers and it is open to all registrants.

DISTINGUISHED SPEAKERS FORUM (ORAL ABSTRACT SESSIONS)

In this forum, speakers and experts of the research field gets an opportunity to showcase their noble research work that involves comprehensive research findings. These formal oral presentations include a wide range of talks covering basic research to advanced research findings in accordance to the theme and scientific sessions of the conference.

STUDENT FORUM

POSTER SESSION

This session is particularly introduced to encourage more number of student participation at international conferences, however it is not restricted only to students since it is also available for the participants with language barrier. There are specific guidelines to be followed to prepare the poster. Poster topic should be selected only from relevant scientific sessions with in-depth technical details.

YOUNG INVESTIGATORS FORUM

An exclusive opportunity for students and young investigators to present their research work through a formal oral presentation. Young Investigators Forum provides a global platform for young researchers and scholars to showcase their valuable contribution to the scientific world and to get acknowledged by the global scientific community of experts. It is an excellent opportunity to recognize young scientific assets with promising research ideas. These oral presentations are of shorter time duration with 10-15 minutes of informative and precise presentations in relevant scientific sessions.

EDUCATIONAL WORKSHOPS/ RESEARCH WORKSHOPS/ CORPORATE WORKSHOPS/MINI- SYMPOSIA

With an aim of transferring knowledge among the participants, workshops are introduced as a part of international conferences. These interactive and occasionally practical sessions give an opportunity for participants to engage in detail discussion. Workshops are mostly scheduled for 60 to 90-minutes. It may range from learning about a specific topic relevant to international education, products and research which sometimes involves practical demonstration. It helps in enhancing skills, knowledge and understanding of the research field in depth through interactive discussions.

HIGHLIGHTS OF THE DAY SESSIONS

“Highlights of the Day Sessions” is introduced to discuss and focus a ray upon previous day ORAL ABSTRACT presentations by experts to summarise the key findings. It helps in getting better insights into the various dimensions of the topic.

MEET THE PROFESSOR @ NETWORKING SESSIONS

This session involves open discussion between the experts and session attendees, it gives enough time for getting answers to specific questions and doubts. It is an opportunity for attendees to increase their professional networking, sometimes also leads to an excellent collaboration opportunity.

EDUCATIONAL SESSIONS/ TRAINING PROGRAMS

Educational Sessions or training programs are specifically designed for a better understanding of the latest findings and technologies. These are generally 45-minute sessions that give an exposure to the multidisciplinary field, that provides in-depth learning experiences and address educational needs.

TYPES OF ACADEMIC REGISTRATIONS

Speaker Registration

COMBO A (Registration + 2 Night Accommodation)

COMBO B (Registration + 3 Night Accommodation)

Delegate Registration

TYPES OF BUSINESS REGISTRATIONS

Speaker Registration

COMBO A (Registration + 2 Night Accommodation)

COMBO B (Registration + 3 Night Accommodation)

Delegate Registration

TYPES OF STUDENT REGISTRATIONS

Registration

YIF

COMBO A (Registration + 2 Night Accommodation)

COMBO B (Registration + 3 Night Accommodation)

Posters

TYPES OF ADDITIONAL REGISTRATIONS

Accompanying Person

E-Poster

Virtual Presentation

Workshops

Start-Ups

Register & Participate



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TIME TO CONNECT



WITH YOUR
PEERS

CONCURRENT EDUCATIONAL SESSIONS

Wednesday

OCTOBER 16

2024

- Satellite and Education
- Satellite Networking
- Satellite Dynamics

- Satellite and Its Applications
- Industry 4.0 and the Factory of the Future

GROUP PHOTO | COFFEE BREAK

- Metaverse and the Future of Internet
- Cloud, Computing, Networking and Storage

- Space Missions
- Space Exploration

LUNCH BREAK

- Remote Sensing Satellites and GIS
- Aerospace and Mechanical Engineering

- Artificial Satellites and Space Structures
- Satellite Navigation and Communication
- Earth Observation Satellites

COFFEE BREAK

- Weather Satellites
- Military Satellites
- Satellite Networks
- Mobile Satellite Communication Networks

- Satellite Subsystems
- Satellite Radiance
- Satellite Dish

CONCURRENT EDUCATIONAL SESSIONS

Thursday

OCTOBER 17
2024

- Artificial Intelligence and Machine Learning
- 6G Vision and Potential Key Technologies
- Internet of Everything and Smart Cities

- Satellite Communications in Earthquake and Structural Dynamics
- Satellite Communications in Climate Change and Weather Forecasting

GROUP PHOTO | COFFEE BREAK

- Satellite Communications in Materials Science and Applications in Science
- Satellite and Terrestrial Radio Positioning Techniques

- Satellite and Space Propulsion Systems
- Mobile Satellite Communication Networks
- Advanced in Small Satellite Technologies

LUNCH BREAK

- Wireless Satellite and Broadcasting
- Satellite and Ground Station Engineering
- Modern Satellite and Cable TV

- IP/ATM Mobile Satellite Networks
- Digital Video Compression Systems and Standards
- Direct Broadcasting by Satellite(DBS)

COFFEE BREAK

- Earth Stations, Antennas and User Devices
- Fixed Telephony Satellite Network
- Microsatellites and MiniSatellites

- Multiplexed Analogue Component Systems(MAC)
- Satellite Engineering
- Satellite Orbit Configurations
- Spacecraft Configuration



British Museum



Buckingham Palace



Greenwich and Docklands



Hampton Court Palace



Kew Gardens



National Gallery

NETWORKING... CONFERENCING... FOSTERING

Attending a Conference isn't all about Learning and Networking

DISCOVERING

A right choice of conference destination is an important aspect of any international conference and keeping that in consideration, **Adv. satellite 2024** is scheduled in the Beautiful city "Landon, UK".



Palace of Westminster



Tower Bridge London



The London Eye



Hyde Park

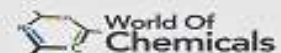


Churchill War Rooms



St Pauls Cathedral


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Program Director
Adv. satellite 2024

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