

# International Colloquium on Equatorial and Low-Latitude Ionosphere

September 9-13, 2019 at the University of Lagos, Akoka, Lagos, Nigeria.

<https://carnasrda.com/colloq2019/>

## **Preamble**

Gaining better understanding of the dynamics of the equatorial and low latitude ionosphere has become an object of global concern more than ever. The past decades have witnessed deployment of observational facilities to equatorial region of the world courtesy of international communities coordinated by United Nations under the International Heliophysical Year IHY and more recently International Space Weather Initiative ISWI. Equatorial region, also known as the low latitude region refers to the region within  $\pm 20^\circ$  on either side of the geomagnetic equator. The region is characterised with much complexities and high level of dynamics which result in phenomena such as spread F, ionospheric anomaly, equatorial electrojet, equatorial plasma fountain, etc. The impact of such phenomena on telecommunications, navigation and other space-based technologies has made the region a point of international collaborative focus in scientific research.

## **Main features**

The event shall feature a composition of tutorials, seminars, conference and hands on training on every aspect of research and techniques bordering on the dynamics of equatorial and low latitude ionosphere as well as space weather.

The program of the Colloquium includes discussions of the rather wide range of phenomena, such as: equatorial ionosphere, equatorial electrojet, equatorial ionospheric anomaly, geomagnetic disturbances, geomagnetically induced currents, solar-terrestrial relations, stratospheric warming, space weather, theory and Modeling of Ionospheric Scintillation and Irregularities, presentation of results from different and novel techniques for probing the equatorial ionosphere etc.

This Colloquium shall offer opportunities for presentation of standard contributions (oral and poster), delivery of invited papers by distinguished scientists with the intention of educating young scientists, as well as exhibition of space-dependent technologies and measurement systems relevant to ionospheric studies. The forum shall serve as an effective meeting point for scientists, policy makers, students and designers of space-dependent technologies.

## **Working language**

The working language of the Colloquium is English.

## **Application: Online**

<https://carnasrda.com/colloq2019/>

### **Colloquium Fees (*Payable only on-site at the point of registration*)**

National Participants from Nigeria

Scientists: Fifteen Thousand Naira only

Students: Five thousand naira only

International participants:

Scientists: Fifty US dollars

Students: twenty five US dollars

### ***Timelines***

Registration and abstract submission will close on June 15, 2019.

Acceptance notification: June 30, 2019.

Invitation letters distribution: July 5, 2019

### ***Publication of presented papers***

Provision shall be made to published papers presented at each Colloquium in peer-reviewed reputable journals with international acceptance. The publications shall thereafter be made available both in print and online.

### **International Advisory Board**

1. Professor Babatunde Rabi; Centre for Atmospheric Research, National Space Research and Development Agency, Nigeria
2. Professor Kazuo Shiokawa, Nagoya University, Japan
3. Christine Mazaudier, Sorbonne Universities, UPMC University, Laboratoire de Physique des Plasmas, Paris, France
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5. Professor S. M. Radicella, Abdus Salam International Centre for theoretical Physics, Italy -
6. Professor Pat Doherty, Boston College, USA
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8. Dr. Bruno Nava, Abdus Salam International Centre for theoretical Physics, Italy
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11. Professor Elijah Oyeyemi, University of Lagos, Nigeria
12. Dr. Elijah Falayi, Tai Solarin University, Nigeria
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14. Dr. Olawale Bolaji, University of Lagos, Nigeria

### **Technical/Logistics Committee**

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**Organised by**

Network of Space-Earth Environmentalists

General questions: please contact us at: [colloq2019@carnsrda.com](mailto:colloq2019@carnsrda.com)

**weblink:**

<https://carnsrda.com/colloq2019/>