

Space Weather Nigerian Communication Network (SW-NICONET).txt

Subject: Space Weather Nigerian Communication Network (SW-NICONET)
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To: Editor, ISWI Newsletter

Space Weather Nigerian Communication Network Newsletter
(SW-NICONET)
Volume 1 Issue 005, June. 2019

** Dear Colleagues,

** Welcome on board SW-NICONET Newsletter!!!

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** Editorial

Welcome to the Welcome to the 5th edition of the Space Weather Nigerian Communication Network: SW-NICONET Newsletter. A platform where all issues pertaining to Space weather and ionospheric research in Nigeria and UN-ISWI activities are made known to us. The objective of this initiative is to build a stronger space weather and ionospheric research network in Nigeria. It is also intended to keep us abreast of new developments and research progress in Nigeria. The platform will also continually feature experiences of senior and mid career researchers in the field of ionospheric and space weather research from Nigeria. This would help young researchers in the field build their research directions. It will also help reduce research repetition but rather help build up on existing works. SW-NICONET is in collaboration with the International Geophysical Research Group /Europe-Africa (IGRGEA). This month's edition features one of our very own, a seasoned mid-career Scientist, researcher and mentor.

** International Colloquium on Equatorial And Low Latitude Ionosphere

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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 20 on either side of the geomagnetic equator. The region is characterized 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:

It is on this note that this biennial 'Colloquium on Equatorial and Low Latitude Ionosphere' is hereby introduced to take place in Nigeria starting from 2019. 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 Process:

Visit

<https://niggs.us20.list-manage.com/track/click?u=6444fef62afb8ddf44ae305c7&id=ef98e37d10&e=56393be7dc> to apply

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

National Participants from Nigeria:

Scientists: Fifteen Thousand Naira only

Students: Five thousand naira only

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International participants:

Scientists: Fifty US dollars

Students: twenty five US dollars

Timelines:

Registration and abstract submission will close on July 5, 2019.

Acceptance notification starts: July 02, 2019.

Invitation letters distribution: July 5, 2019

Publication of presented papers:

Provision shall be made to publish 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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7. Professor George Maeda, Kyushu Institute of Technology, Japan
8. Dr. Bruno Nava, Abdus Salam International Centre for theoretical Physics, Italy
9. Dr. Fujimoto, Akiko; Kyushu Institute of Technology, Japan
10. Professor Victor Chukwuma, Olabisi Onabanjo University, Nigeria -
11. Professor Elijah Oyeyemi, University of Lagos, Nigeria
12. Dr. Elijah Falayi, Tai Solarin University, Nigeria
13. Dr. Rufus Fayose, Adekunle Ajasin University, Nigeria
14. Dr. Olawale Bolaji, University of Lagos, Nigeria

Organised by:

Network of Space-Earth Environmentalists

For more information, please contact

colloq2019@carnasrda.com

** CSTD 9th Annual Space Conference/Exhibition 20-21 August 2019

The Centre for Satellite Technology (CSTD), National Space research and Development Agency (NASRDA) announces her 2019 annual Space Conference with the theme Exploration of Equatorial Orbit for Space Optimization

Conference Sub-Themes:

Space based technologies and Software Applications for equatorial and low latitude missions

Design, development and deployment of small satellites for scientific and experimental missions

Application of data science, robotics, machine learning and artificial

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intelligence in space optimization
Space transport, propulsion technologies, emerging trends and innovations
in the science and technology of spacecraft
Smart structures, composites and functional intelligent materials &
miniaturization at component levels
Space weather effects, impacts and dynamics on space based assets within
the Equatorial Ionosphere, associated anomalies and techniques for probing it
Sustainability of the space enterprise; developing a broad based public –
private sector intervention program, space infrastructural development,
bilateral and multilateral partnerships, risk assessments and mitigations

For more information, please visit
www.cstdspaceconference.com

** ISEE SUMMER INTERNSHIP PROGRAM

The Institute for Space–Earth Environmental Research (ISEE), Nagoya University, Japan, offer the opportunity to work closely with faculty mentors on research projects. The opportunity is designed for students who wish to learn more about our graduate school and possibly to pursue an academic career in teaching and research.

See detail of this opportunity at
<https://niggs.us20.list-manage.com/track/click?u=6444fef62afb8ddf44ae305c7&id=86830f6202&e=56393be7dc>
Deadline of application is July 15, 2019.

** URSI GASS 2020 PRELIMINARY CALL FOR PAPERS AND SESSIONS

The XXXIII General Assembly and Scientific Symposium (GASS) of the International Union of Radio Science (URSI, www.ursi.org) will take place in Rome, Italy from August 29 to September 5, 2020. The scientific programme will be organized around the ten URSI Commissions (see below) and will comprise oral sessions, poster sessions, plenary and public lectures, and tutorials, with both invited and contributed papers. In addition, there will be workshops, short courses, special programmes for young scientists, a student paper competition, programmes for accompanying persons, and an industrial exhibition. More than 1,500 scientists from more than 50 countries are expected to participate.

Scientists and researchers are invited to submit papers as well as proposals for sessions (that may include both invited and contributed papers), workshops and short courses. Detailed information will be posted on the GASS 2020 web site. Any topic concerning the scientific domains of URSI Commissions is potentially acceptable. Session/ workshop/short-course proposals covering multidisciplinary aspects will be assigned to several Commissions.

Workshops are expected to promote interactive exchanges, with enhanced

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organization flexibility.

For more information;
Please visit www.URSI2020.org/calls/

**** NGS CALL FOR MANUSCRIPT SUBMISSION**

The Journal of the Nigerian Geophysical Society (NGS) is accepting manuscripts
for
its 2019 Edition.

To make submissions, login at
<https://niggs.us20.list-manage.com/track/click?u=6444fef62afb8ddf44ae305c7&id=703e21d626&e=56393be7dc> and kindly
follow the journal template. Processing charges is five thousand naira (#5000).

Submission deadline is 30th September, 2019.

Header Image is an artist illustration of events on the sun changing the
conditions in Near-Earth space.

Credits: NASA

(<https://niggs.us20.list-manage.com/track/click?u=6444fef62afb8ddf44ae305c7&id=b9d68e0650&e=56393be7dc>)

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Please feel free to share any information that may be of benefit for all.

For more on the network,

Please contact

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