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AGS Newsletter- Vol.2 No. 006 22 June 2019

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** !!!!Welcome to the AGS Newsletter!!!!

Dear Subscribers,
The AGS Newsletter is published as part of the activities of the African Geophysical Society.
You are encouraged to contribute material to this newsletter
for distribution to the global scientific community.
The material should be related to earth and space Science.

Aderonke Obafaye
The Editor
secretariat@afgps.org
(https://afgps.us19.list-manage.com/track/click?u=b14cdf00ad22fff1badfcb2b2&id=3813890c6e&e=efe83620d9)

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(1) INTERNATIONAL COLLOQUIUM ON EQUATORIAL AND LOW-LATITUDE IONOSPHERE
    organized by Network of Space-Earth Environmentalists (NSEE)

** 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 Heliophyical 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 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.
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.
Application: Online
https://afgps.us19.list-manage.com/track/click?u=b14cdf00ad22fff1badfcb2b2&id=eed1839fc8&e=efe83620d9
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 30, 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.
Contact: colloq2019@carnasrda.com
Sponsors weblink:
https://afgps.us19.list-manage.com/track/click?u=b14cdf00ad22fff1badfcb2b2&id=e85b52c9a7&e=efe83620d9

(2) West African International Summer School for Young Astronomers (WAISSYA) Oct 28 - Nov 1, 2019
The West African International Summer School for Young Astronomers (WAISSYA) is a program held every two years in West Africa. At each summer school, there are approximately 60 participants, mainly undergraduates, from across West Africa. Organized and taught by a collaboration of international astronomers, the main goals of WAISSYA are:
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* Contribute to building a critical mass of astronomers in West Africa
* Contribute to empowering young West Africans in becoming scientific leaders
* Share ideas about teaching and learning between West Africa and North America / Europe.

** To achieve those goals, the innovative WAISSYA program is informed by research in science education: it focuses on developing instructors' teaching practices, and on "inquiry", a paradigm in which students ask and investigate their own mini-research questions in small teams. We use research-based surveys and student reflections to measure student learning, and revise our curriculum for future summer schools based on the results. WAISSYA alumni are now attending graduate programs across the globe including in countries such as Canada, Portugal and Cameroon, as well as serving as teachers, scientists and engineers at home.
We invite you to fill the application form for the 2019 WAISSYA program clicking on the link below
https://afgps.us19.list-manage.com/track/click?u=b14cdf00ad22fff1badfcb2b2&id=365226cab3&e=efe83620d9
For all enquiries, kindly contact the WAISSYA-2019 team using: adminwaissya@nasrdacbss.com or call +234 7034976983

(3) The International Symposium on Space Science 2019

** Date : 25 September 2019
Theme: Strengthening Space Science and Technology in Indonesia
Venue: Space Science Center, National Institute of Aeronautics and Space (LAPAN) Jl. Dr. Djundjunan 133, Bandung, Jawa Barat, Indonesia 40173

As a national agency of aeronautics and space in Indonesia, LAPAN has a responsibility to advance space science in Indonesia and to encourage collaborations between Indonesia and international research institutes. LAPAN is building a new National Observatory in Timau, Nusa Tenggara Timur (eastern part of Indonesia) that can promote and encourage the advancement of space science in Indonesia. Furthermore, one of disciplines in space science is study on space weather. Recently, LAPAN has developed space weather prediction and services in Indonesia. Space weather disturbances, which are affected by solar activity, geomagnetic condition, and ionospheric variability, may significantly impact the global environment as well as socio-economic systems. For instance, ionospheric disturbances in the equatorial region could disturb the propagation of radio wave transmitted from the satellites, such as GNSS (Global Navigation Satellite Systems), to receivers on the ground. Thus, modern society, which is supported by satellite-based technologies, may need space weather prediction and services. This one-day event is the first international symposium that aims to elaborate basic and applied researches on space science from Indonesia and abroad. LAPAN organizes this symposium with the collaboration from Institut Teknologi Bandung (ITB) and Indonesia University of Education (UPI). In particular, as our theme for this symposium, we encourage researchers either from Indonesia or abroad to present their researches on space science in general for this symposium, and we aspire to strengthen forecast operation in space weather and its application to the users in Indonesia.

Opening Date for Abstract 30 June 2019
Abstract Submission Deadline 22 July 2019
Acceptance for Abstract 1 August 2019
Date Program Available 18 September 2019
Full Paper Submission 25 September 2019
Symposium Date 10 May 2019

** To register, please visit https://afgps.us19.list-manage.com/track/click?u=b14cdf00ad22fff1badfcb2b2&id=737b76d4bc&e=efe83620d9

(4) SCIENTIST OF THE MONTH- Dr. Adeyemi Adebiyi

Dr. Adeyemi Adebiyi studied at the International Center for Theoretical Physics in Trieste, Italy where he obtained a masters-equivalent pre-PhD diploma in Earth System Physics after an advanced study in Basic Physics. As part of the program's requirements, he completed a thesis work, supervised by Dr. Adrian Tompkins, and focused on assessing of the sensitivity of different satellite precipitation products over west Africa region. The paper was eventually published in Journal of Hydrometeorology titled "Using CloudSat Cloud Retrievals to Differentiate Satellite- Derived Rainfall Products over West Africa (2012)".
In August 2011, he moved to the United States and joined the Meteorology and Physical Oceanography program at the Rosenstiel School of Marine and Atmospheric Science, University of Miami. To continue his research on African climate, he decided to work on understanding the complex interactions of the smoke aerosols that seasonally occur over southern Africa, and episodically get transported over the low-level clouds off the coast of Angola. He completed his PhD dissertation titled "The Impact of Meteorology on Smoke and Low-level Clouds over the Southeast Atlantic", and published the results in different journals. Furthermore, his research helped to give some basic understanding of how the smoke aerosols and clouds over the southeast Atlantic interact, leading to a big NASA field campaign called ORACLES (ObseRvations of Aerosols above CLouds and their intEractionS). In the end, he was awarded the Koczy Fellowship Prize for an outstanding doctoral-level research at the University of Miami.
Adeyemi is currently a UC President's Postdoctoral Fellow at the Department of Atmospheric & Oceanic Sciences, University of California - Los Angeles, where he studies the impacts of dust particles in the atmosphere on the regional and global climate.

(5) POEM OF THE MONTH - Good Bones
By Maggie Smith
(https://afgps.us19.list-manage.com/track/click?u=b14cdf00ad22fff1badfcb2b2&id=6b7233dd30&e=efe83620d9)
Life is short, though I keep this from my children.
Life is short, and I've shortened mine
in a thousand delicious, ill-advised ways,
a thousand deliciously ill-advised ways
I'll keep from my children. The world is at least
fifty percent terrible, and that's a conservative
estimate, though I keep this from my children.
For every bird there is a stone thrown at a bird.
For every loved child, a child broken, bagged,
sunk in a lake. Life is short and the world
is at least half terrible, and for every kind
stranger, there is one who would break you,
though I keep this from my children. I am trying
to sell them the world. Any decent realtor,
walking you through a real shithole, chirps on
about good bones: This place could be beautiful,
right?
You could make this place beautiful.

Source: Waxwing magazine (Issue IX, Summer 2016) (2016)

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