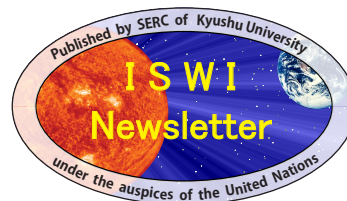


- . 1st Annual Conference of the
- . African Geophysical Society (AGS)
- . 2 - 6 June 2014
- . NASRDA HQ, Abuja, Nigeria.
- .
- . Selected photos and Conference Programme
- .
- . This pdf assembled by G. Maeda on 13 June
- . 2014 with material from S.Abe and AB Rabiou.



This pdf circulated in
Vol. 6, No. 037, on
15 June 2014.



Dr Abe (ICSWSE, Japan) accepts AGS Fellowship Award on behalf of Prof. Yumoto (ICSWSE) during award ceremony.



Group Photo of Conference Participants



AGS President
Professor Babatunde Rabi
(Nigeria)

AGS Treasurer
Professor Olivier Obrou
(Cote d'Ivoire)



CENTRE FOR ATMOSPHERIC RESEARCH, ANYIGBA
OF THE
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Presents

1st Annual Conference
of the

African Geophysical Society (AGS)

Theme:

THE ROLES OF EARTH & SPACE SCIENCES
IN THE DEVELOPMENT OF AFRICA

Date: Mon. 2nd - Fri. 6th June, 2014

Venue:

National Space Research and Development Agency (NASRDA)
Km 17, Umaru Musa Yar'adua Expressway, Abuja, Nigeria.



P R O G R A M

2014 African Geophysical Society Conference



Date: 2 - 6 June 2014

Venue: Senator Robert Ajayi Boroffice Multipurpose Conference Centre, National Space Research and Development Agency, Km 17 Umaru Musa Y'ardua Expressway, ABUJA, NIGERIA



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1. Summary of Activities

2nd June 2014: Arrival/Registration
3-5th June 2014: 8:30-17:00 daily: Plenary, technical and poster viewing sessions; sectional meetings and AGM
6th June 2014: Departure

2. Session Classifications

A001: Ionospheric Dynamics, Equatorial ionosphere and Near Equatorial Orbits
A002: GNSS, Space Weather and VarSITI
A003: Ocean & Solid Earth Sciences
A004: Atmospheric Science
A005: Solar and Terrestrial Physics
A006: Coupled Solar Wind – Magnetosphere – Ionosphere - Thermosphere System

3. Announcement

- Registration is compulsory for participation in the conference. Participants with registration fee waivers need not pay at the desk, but should complete other registration formalities. However, participants without prior support should pay registration fees at the desk. Registration Fees shall cover provision of conference items as well as soft snacks and refreshments during break sessions. Kindly adhere with this requirement.
- Orals presentation are assigned 15 minutes with 5 minutes question time inclusive.
- Posters are to be displayed throughout the day starting from 8:30 am to 5:00 pm at designated billboards within the conference arena. Any poster not removed by 8:30 am the following day will be considered good enough for trash can. Participants are to stand by their posters during break time and special designated time allotted for poster viewing.
- Be polite enough to wear your Conference tag throughout the meeting

4. Book of abstracts

Download the e-copy of the book of abstracts at www.afgps.org

5. Plenary Speakers

2014-PP-001: **Professor Sandro. M. Radicella** - Planetary ionospheres and its effects on radio-propagation
2014-PP-002: **Professor Babatunde Rabi** - Space Weather Science in Africa: Peculiarities, Observations and Scientific Results 2006-2014
2014-PP-003: **Dr Akimasa Yoshikawa** - Research and capacity building activities at the International Centre for Space Weather Science and Education

2014-PP-004: **Professor O. K. Obrou** - Fundamentals of Equatorial Ionosphere
2014-PP-005: **Professor Victor U. Chukwuma** - A study of the ionospheric responses to an intense storm associated with weak IMF Bz and high solar wind dynamic pressure
2014-PP-006: **Dr Elijah O. Oyeyemi** - African Contributions to the Development of IRI: Implication for African Space Science
2014-PP-007: **Dr Olawale S. Bolaji** - Interplay between the equatorial electrojet and the dynamics of the equatorial ionospheric anomaly: Call for intensive collaborative research
2014-PP-008: **Dr Shaba Halilu** –Space Science Collaboration: A case of remote sensing in Nigeria.

6. 2014 Fellows of the African Geophysical Society FAGS

- Prof. Cyril A. Onwumechili (Nigeria) – University of Ibadan, University of Ile-Ife and University of Nigeria, Nsukka, NIGERIA
- Prof. Sandro M. Radicella (Argentina/Italy) - Abdus Salam International Centre for Theoretical Physics, Trieste, Italy
- Prof. Kiyohumi Yumoto (Japan) - International Centre for Space Weather Science and Education, Kyushu University, Fukuoka, Japan
- Prof. Ousseini Fambitakoye (France, Post Humus), Laboratoire de Géophysique, ORSTOM, Bondy Cedex, France.
- Prof. Patricia H. Doherty (USA) - Institute for Scientific Research, Boston College, USA.
- Dr. Endawoke Yizengaw (Ethiopia/USA) - Institute for Scientific Research, Boston College, USA.

7. Opening Program

Opening Session 9:00 – 10:30 am

- Opening Prayer
- National Anthem
- Opening Remarks by Chairman
- Welcome Address by the Chief Host, Director General NASRDA
- Presidential Address
- Goodwill messages
- Plenary Papers 1 & 2
- Logistics by Chair, Program Committee
- Closing Remarks
- Vote of Thanks
- Closing Prayer
- National Anthem
- Group Photograph
- Coffee Break

Session Schedule

DAY	8:30 – 9:00	9:00 – 10:30	10:30 – 11:00	11:00 -13:30	13:30 – 14:30	14:30-15:00	14:30-17:00
Monday 2 June 2014	Arrival and registration						
Tuesday 3rd June 2014	Registration / Poster fixing A001: Ionospheric Dynamics, Equatorial ionosphere and Near Equatorial Orbits A003: Ocean & Solid Earth Sciences	Opening ceremony / Plenary session 1	Tea break	Technical Session 1 (Orals/Parallel) A001: Ionospheric Dynamics, Equatorial ionosphere and Near Equatorial Orbits & A003: Ocean & Solid Earth Sciences	lunch break	Poster Session 1 A001 and A003	Annual General Meeting/Congress AGM
Wednesday 4th June 2014	Registration / Poster fixing A002: GNSS, Space Weather and VarSITI A005: Solar and Terrestrial Physics A006: Coupled Solar Wind – Magnetosphere – Ionosphere - Thermosphere System	Fellowship award Plenary session 2		Technical Session 2 (Orals/Parallel) A002: GNSS, Space Weather and VarSITI & A005: Solar and Terrestrial Physics A006: Coupled Solar Wind – Magnetosphere – Ionosphere - Thermosphere System		Poster Session 2/Exhibition) A002, A005, A0006	Plenary Session 3(3 papers) / AGS Sectional meetings
Thursday 5th June 2014	Registration / Poster fixing A004: Atmospheric Science	Plenary Session 4 (2 papers)		Technical Session 3 A004: Atmospheric Science		Poster Session 3/Exhibition) A004	Plenary Session 5 /Communique/Award of Certificates/Closing
Friday 6th June 2014	D E P A R T U R E						

Oral Session Schedule

Tuesday 3 June 2014 (11-13:30) / Parallel Oral sessions

A001: Ionospheric Dynamics, Equatorial ionosphere and Near Equatorial Orbits	A003: Ocean & Solid Earth Sciences
<p>2014-A001-O-001 Zaka Komenan Zacharie - Simulation of electric field and current during the June 11, 1993, disturbance dynamo event: comparison with the observations</p> <p>2014-A001-O-002 Adewale, Adekola Olajide - Impact Assessment of the equatorial ionosphere on GPS-based navigation using different pseudorange measurements</p> <p>2014-A001-O-003 Odeyemi Olumide Olayinka - Variability of Total Electron Content over an equatorial Station</p> <p>2014-A001-O-004 Folarin Olanike Olufunmilayo- Simultaneity in the Occurrence of Counter Equatorial Electrojet along African Longitudes</p> <p>2014-A001-O-005 Mene Niangoran Medard - statistical study of overshielding intensity at low latitudes</p> <p>2014-A001-O-006 Gnbahou Doua Allain - foF2 Diurnal Variability at African Equatorial Stations: Dip Equator Secular Displacement Effect</p> <p>2014-A001-O-007 Paul Baki - Signatures Of Low-Latitude Geomagnetically Induced Currents Effects On Transformers In Nairobi, Kenya</p> <p>2014-A001-O-008 Gereme Melessew Nigusie - Three-dimensional non-tomographic imaging of the East-African equatorial ionosphere using GPS TEC</p> <p>2014-A001-O-009 Okoh Daniel - An Unsupervised Learning Algorithm for TEC Anomaly Detections using Diurnal TEC Profiles</p> <p>2014-A001-O-010 Poku-Gyamfi, Yaw - Utilizing the Near Equatorial Orbit: The Role of Africa</p>	<p>2014-A003-O-001 Lawal, Taofeeq O. - Wavelet analysis and interpretation of high resolution aeromagnetic data</p> <p>2014-A003-O-002 Bello Adekunle Kazeem - Geophysical Investigation of Sediment-Hosted Disseminated Gold Deposits: Itagunmodi Southwestern Nigeria</p> <p>2014-A003-O-003 Shehu Sani Jamaluddeen - Subsurface Structural Studies of Bayero University Permanent Site Using Induced Polarization and Self-Potential</p> <p>2014-A003-O-004 Anifowose; A. Y. B. Satellite remote sensing study of the Auchu Gully, Southwestern Nigeria</p> <p>2014-A003-O-005 Anukwu, Geraldine C. - Oil Sands Exploration Using 2-D Electrical Imaging Technique</p> <p>2014-A003-O-006 Jatto Solomon Sunday - Detailed geophysical investigation of stable and unstable sections of serikin pawa-mangoro road, Niger state, Nigeria</p> <p>2014-A003-O-007 Lateef Taofeek Ay inla - Influence of media depth and texture on the migration of bacteria in saturated porous media</p>

Wednesday 4 June 2014 (11-13:30) / Parallel Oral sessions

A002: GNSS, Space Weather and VarSITI	A005: Solar and Terrestrial Physics A006: Coupled Solar Wind – Magnetosphere – Ionosphere - Thermosphere System
<p>2014-A002-O-001 Twinomugisha F. - Using Nequick model to predict total electron content in East Africa region</p> <p>2014-A002-O-002 Nwankwo, Victor U.J. - Effects of Space Weather Conditions on the Upper Atmosphere and LEO Artificial Satellites</p> <p>2014-A002-O-003 Shetti Dadaso Jaypal - Simultaneous Observations of OI630 nm night airglow emission and GPS-TEC at low latitude Station, Kolhapur, India</p> <p>2014-A002-O-004 Falayi Elijah Olukayode - Influence of solar activities on Rainfall in Nigeria. (2) Study of ionospheric dynamo and electromagnetic induction at different latitudes during geomagnetic storms.</p> <p>2014-A002-O-005 Ogunsua Babalola - The comparative study of chaoticity and dynamical complexity as indices for ionospheric response, to solar activities</p> <p>2014-A002-O-006 Ogunmodimu Olugbenga - predicting cosmic noise absorption during solar energetic particle events</p> <p>2014-A002-O-007 Taabu S. - VHF and GPS activity during the peak year of scintillation variability in East Africa'</p> <p>2014-A002-O-008 Lawal, Hammed Adeniyi Understanding the Dynamics and Variability of the Equatorial Ionosphere Over Africa with a SuperDARN Style Radar: A Scientific Agenda</p> <p>2014-A002-O-009 Agbo Godwin - Comparison of hourly variations of radio refractivity on magnetically quiet and disturbed days in Nsukka-Nigeria</p> <p>2014-A002-O-010 Abraham Onugba - A review of space-terrestrial weather coupling for addressing global climate change</p> <p>2014-A002-O-011 Akoba Rashidah Variability of Equatorial Ionosphere during solar cycle 24 in Uganda</p> <p>2014-A002-O-012 Ayorinde Toyese Tunde Day-to-day variability of Total Electron Content obtained from GPS over a terrestrial point within Equatorial Ionospheric Anomaly region</p> <p>2014-A002-O-013 Ugwu, Ernest Benjamin I. - Is solar wind turbulence a driver of geomagnetic activity?</p> <p>2014-A002-O-014 Cheick DIARRA - Estimation of aerosol radiative forcing in the sahelian zone of West Africa.</p>	<p>2014-A005-O-001 Ahoua Malan Sylvain - Evaluation of the NeQuick model in Southern Mid-Latitude using South African co-located GPS and Ionosonde stations data</p> <p>2014-A005-O-002 Kaka Olawumi Rophiat - Prediction of the Earth's Magnetic Field using Artificial Neural Network.</p> <p>2014-A006-O-001 Daudi, Emmanuel</p> <p>2014-A006-O-002 Olawepo, A.O, - Response of ionospheric N(h) profiles over Ilorin to moderate geomagnetic storms</p>

Thursday 5 June 2014 (11-13:30) / Parallel Oral sessions

A004: Atmospheric Science
<p>2014-A004-O-001 Said Rabia Salihu - Radiometric Methods in Atmospheric Data Measurements</p> <p>2014-A004-O-002 Akinluyi Francis O - Retrieving Land Surface Temperature from Landsat Data for Heat Studies over Ile-Ife, Southwestern Nigeria</p> <p>2014-A004-O-003 Yusuf Najib G. -Tropospheric Data Acquisition Network TRODAN</p> <p>2014-A004-O-004 Isikwue, Bernadette C. - Survey of Radiation Energy balance in some selected cities in Nigeria</p> <p>2014-A004-O-005 Omotosho Temidayo V. - investigation of carbon (ii) oxide pollution in seven stations in Nigeria via remote sensing</p> <p>2014-A004-O-006 Salau, O. R. S- ENSO and its Relationship to Changing Precipitation over the Tropical Pacific</p> <p>2014-A004-O-007 Okogbue E. C. - Monitoring Daily Evapotranspiration and managing water Resources in Wushishi, Niger State, Nigeria Using Landsat 8 Imagery</p> <p>2014-A004-O-008 Doumbia Madina – Analysis of rainfall variability and production of cocoa in the Central West of Cote d'Ivoire</p>

POSTER SESSION

Tuesday 3 June 2014 (08:30-17:00) / Parallel Poster sessions

A001: Ionospheric Dynamics, Equatorial ionosphere and Near Equatorial Orbits	A003: Ocean & Solid Earth Sciences
<p>2014 -A001 -P-002 Ayalew Tibebe - Characterization of the equatorial anomaly in the Ethiopian sector</p> <p>2014 -A001 -P-003 Agoyi Adedeji Adeg Benga - Comparison of Total Electron Content within and outside Equatorial Ionization Anomaly Region</p> <p>2014 -A001 -P-004 Adebesein - Ionospheric investigation of the response time of peak EEJ and electron density</p> <p>2014 -A001 -P-005 Obu Joseph - A comparative study of NIGNET'S GPS vTEC measurements with the IRI-TEC predictions over Calabar, Nigeria</p> <p>2014 -A001 -P-006 Olusuyi Ekundayo - On the daily rising and decay rates of equatorial electrojet</p> <p>2014 -A001 -P-007 Olwendo Joseph - low latitude ionospheric scintillation and zonal irregularity drift observed with GPS -SCINDA system and closely spaced vhf receivers in Kenya</p> <p>2014 -A001 -P-008 Chibuzor Mgbeahurike - sq (h) field variations at the african longitude</p> <p>2014 -A001 -P-009 Ekwubiri, E. C. - Observation of the strength of the equatorial electrojet using geomagnetic data from addisababa observatory between 27thjanuary and 27th march 2013</p> <p>2014 -A001 -P-010 Abdulrahim R. B. - Total columnal electron content response to geomagnetic activity at Toro an equatorial station</p> <p>2014 -A001 -P-011 Obafaye Isreal A.- Interplay between variability of Ionospheric Electron Content and Geomagnetic field during geomagnetic storms</p>	<p>2014 -A003 -P-001 Ogunseye T. T. - Computation of the thermodynamic properties of the Lower Mantle</p> <p>2014 -A003 -P-002 Ugbor Desmond O. - Application of Solar Quiet-day Ionospheric Current Variation (Sq) in Determining the Mantle Conductivity -depth Structure along the Magnetic Equatorial African Region</p> <p>2014 -A003 -P-003 Ali A. B.- Subsurface Structural Studies of Bayero University, Kano Permanent Site Using Electrical</p> <p>2014 -A003 -P-004 Nwankwo, Levi I. - Spectral Analysis of Aeromagnetic Data for Geothermal Exploration in Sokoto Basin, Nigeria</p> <p>2014 -A003 -P-005 Ewan g E.S - Design and construction of temperature data acquisition system for soil temperature measurement</p> <p>2014 -A003 -P-006 Alabi Olusegun O. - Geological mapping from high resolution aeromagnetic data of part of the middle Benue trough, Nigeria</p> <p>2014 -A003 -P-007 Ige Simon - The Magnetic Profile along an East - West Profile across the University of Ilorin, Ilorin West Central Nigeria</p> <p>2014 -A003 -P-008 Ohakwere Micheal - Qualitative Reservoir Characterization using 3-D Seismic and Well log data over an X field, Niger Delta, Nigeria.</p> <p>2014 -A003 -P-009 Lateef T.A.- Influence of media depths and texture on the attenuation of migration of bacteria in saturated porous media.</p>

Wednesday 4 June 2014 (08:30-17:00) / Parallel Poster sessions

A002: GNSS, Space Weather and VarSITI	A005: Solar and Terrestrial Physics
<p>2014-A002-P-001 Abdulmutallab Salisu - Variation of Geomagnetic field components data from ground-based magnetometers at three observatories in the African region</p> <p>2014-A002-P-001 Eyelade Victor A. - Diurnal and Seasonal variation of GPS-Measured Total Electron Content over Nigeria</p> <p>2014-A002-P-002 ibeh Gabriel Friday - Estimation of TEC with neural network</p> <p>2014-A002-P-003 offiong, Etim Okon - Experimental verification of hybrid GNSS-UWB positioning algorithm</p> <p>2014-A002-P-004 Bello, Saeed Abioye - Ionospheric modulation due to solar flare over ILORIN</p> <p>2014-A002-P-005 Babinisi Ayodeji - Variation of Solar Activities (F 10.7 cm solar radio flux and sunspot number) and the response on ionospheric electron content</p> <p>2014-A002-P-006 Oloketuyi Jacob Oladeji - Comparison of in-situ geomagnetic field measurement with international geomagnetic reference field (igrf) model to study the ionosphere over AKURE</p> <p>2014-A002-P-007 Zoundi Christian - TEC variability in west africa equatorial anomaly region</p> <p>2014-A002-P-008 LAWAL, Hammed Adeniyi - Backscatter Occurrence Over the life time of SuperDARN</p> <p>2014-A002-P-009 Oron Sulayi - Ionospheric TEC variability during the ascending solar cycle 24, in Uganda</p> <p>2014-A002-P-010 Ariyibi Emmanuel - Diurnal Variation of TEC and S4 Index During the Period of Low Geomagnetic Activity at Ile-Ife, Nigeria</p> <p>2014-A002-P-011 Owolabi Charles - Transient Variations of the Sq Foci along European/African Meridian</p> <p>2014-A002-P-012 Opio Phillip</p> <p>2014-A002-P-013 Olabode A. - Ionospheric Group Delay Mapping over Nigeria Using a Geostatistical Approach</p> <p>2014-A002-P-014 Jerad Ndeda - Analysis of Longitudinal Advancement of the Peak Total Electron Content in the African Equatorial Anomaly Region Using Data from GPS Receivers and IGS Stations in Kenya</p> <p>2014-A002-P-016 Onori Eugene - Relative variability of foF2 at Ouagadougou during high, moderate and low solar activities</p> <p>2014-A002-P-017 Somoye Emmanuel - Characterizing the relative variability of sunspot number</p> <p>2014-A002-P-018 Somoye Emmanuel - Longitudinal influence of NmF2 variability</p>	<p>A006: Coupled Solar Wind – Magnetosphere – Ionosphere - Thermosphere System</p> <p>2014-A005-P-001 Okoli Nicholas A. - Observation of Coronal Mass Ejections for ten year interval (2002 & 2012)</p> <p>2014-A005-P-002 Ondede George Ochieng - Characterization of variability of Total Electron Content (TEC) over Malindi during the solar 23 cycle</p> <p>2014-A005-P-003 Owolabi Temitope Pascal - Annual Distribution of Worldwide Solar Quiet of the Horizontal Magnetic Field Intensity</p> <p>2014-A005-P-004 Ayalew Debrie - ionospheric TEC variability inferred from ground based gps receivers in ethiopian sector</p> <p>2014-A005-P-005 Ikubanna - Variation of the F10.7 threshold in the solar activity dependence of foF2 in the African EIA trough</p> <p>2014-A005-P-006 Ugonabo O - solar flare effects (sfe) on geomagnetic fields across latitudes</p> <p>2014-A006-P-001 Iluore Kenneth - Geomagnetic storms and associated solar flare</p> <p>2014-A006-P-002 Olajide Owoyomi F. - Response Of geomagnetic horizontal field to Equatorial ring current</p> <p>2014-A006-P-003 Bello Olawale - Disturbance Daily Variation (SD) of Electric field in the Equatorial and Mid Latitude of Africa</p> <p>2014-A006-P-004 Nwankwo, Victor U. J - A Probe of magnetosphere-ionosphere coupling using Very Low Frequency (VLF) Radio Waves</p>

Thursday 5 June 2014 (08:30-17:00) Poster Session

A004: Atmospheric Science
<p>2014-A004-P-001 Nwulu, Nobert Chibuzor - Atmospheric Science-air pollution, global climate and its change</p> <p>2014-A004-P-002 Andrew Ichoja - Measurement of Vertical Turbulent Heat Fluxes In The Atmospheric Boundary Layers Using Eddy Correlation Techniques</p> <p>2014-A004-P-003 Mariam Idris - The role of the precision filter radiometer in solar radiation measurements</p>

General Presentation

<p>Introducing ORCID - Research Networks and Grants opportunities Building Effective Research Network</p>
