



IGRGEA LETTER

International Geophysical Research Group /Europe-Africa
International Geophysical Research Group /Europe-Asia

IGRGEA

At the end of the IEEY, in 1995, IGRGEA (International Geophysical Research Group Europe Africa) has been organized to follow the research work initiated during IEEY (International Equatorial Electrojet Year), in 1992. Since January 2003 IGRGEA is also developing at the Institute of Geophysics in Hanoi.

ALGERIA

Naima ZAOURAR of Hari BOUMEDIENE University, USTHB, in Algeria will come to the Plasma Physics Laboratory (LPP), from September 2015 to September 2016 for a Sabbath year, to work with Christine-AMORY MAZAUDIER on data from satellite SWARM.

BURKINA FASO

Jean Louis ZERBO ends his post doc at MIT with Prof. John RICHARDSON. His work has focused on the points outlined below:

From three spacecraft THEMIS C, Wind, and Spektr-R spacecraft measurement, our study reports on an unusual solar wind oscillation of both plasma and magnetic field plasma parameters observed at three spacecraft, two in the foreshock region and one at L1.

These waves are exceptional for their also perfectly sinusoidal appearance. A careful investigation suggests that Spektr-R spacecraft has recorded a kind of mix of Alfvén and fast mode wave components in solar wind plasma. That somewhat surprising feature in wind

could be of great help in our worry to understand the link between Joule heating atmospheric circulations. Actually we (Zerbo et al) are reviewing solar wind structure over the recent five solar cycle to figure out how today changes in solar wind structure and the historic lows in solar plasma parameters over the current solar cycle participates to the long-term space weather tracking.

Pétronille KAFANDO will present a contribution to the climate conference "*Our common feature under climate change*" in Paris, 7-10 July 2015.

FRANCE

Ilyasse AZOUZZI, currently in LPP, to work with Christine-AMORY MAZAUDIER his thesis on the topic:

Study of ionization of the middle and low latitudes: regular and disturbed variations', will visit the Brest Telecommunications school to work with Rolland FLEURY during the months of May and June 2015.

MOROCCO

The Meteorology School of Space, GNSS, Atmosphere and Ionosphere Earth's magnetic field, Physics and use of tools, was successful in Rabat from 16 to 21 February 2015.

It was attended by participants from the following countries:

Algeria, Benin, Burkina Faso, Cameroon, Congo (RC), Côte d'Ivoire, France, Morocco, Mauritania, Central African Republic, Tunisia.

A report on the school is available at: www.iswi-secretariat.org



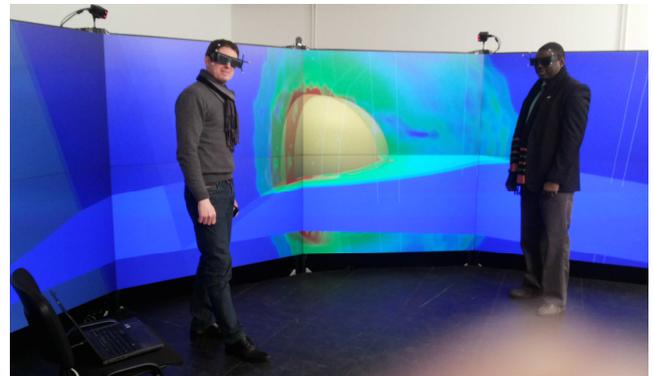
Group photo



NIGERIA-FRANCE

Babatunde RABIU of NSRDA came to France from February 8 to 15 to develop cooperation in research. He met researchers at the Meudon Observatory, LATMOS, IPGP and LPP.

Jean Luc and MARIA Babatunde RABIU

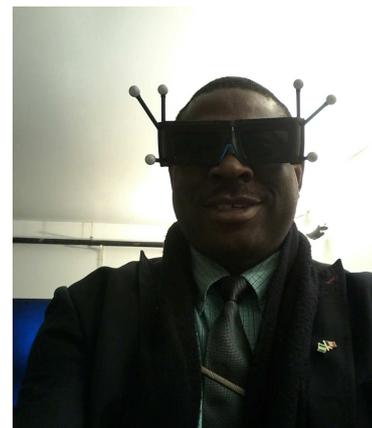


immersed in the video wall for numerical simulations of LATMOS

DRC: Democratic Republic of Congo

Ralph MUKANDILA (Geodetic GPS) performs a thesis under the direction of Frédéric MASSON (University of Strasbourg) and André Ndontoni ZANA of the University of Kinshasa. He is currently in Strasbourg for a period of 6 months (December 2014-May 2016) funded by the Embassy of France in Kinshasa.

Jean KIGOSTI is preparing a thesis on atmospheric electricity under the direction of Serge SOULA (University of Toulouse) and Albert KAZADI (University of Kinshasa). He has been training in France from September 4 to December 30, 2015. It was also funded by the Embassy of France in Kinshasa.



EGYPT

Two Egyptian students of the University of Helwan: Amira SHIMEIS and Ibrahim FATHY defended their thesis respectively on January 22 and March 1, 2015. The information is on the website:

Christine AMORY-MAZAUDIER will visit Nigeria from 10 to 16 May 2015, to participate in the Workshop on Meteorology Space held annually at the University BELLS by Babatunde RABIU



Site: <http://t-ict4d.ictp.it/nequick2>

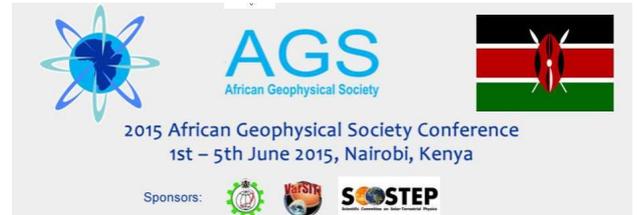
RWANDA-ICTP-FRANCE

Jean UWAMAHORO who defended his PhD at Rhodes University, South Africa, in 2012 on the theme:

'An analysis of sources and predictability of geomagnetic storms'

Jean earned a position at the University of Kigali, he will develop Space Weather in his country, in cooperation with ICTP and France.

KENYA – NAIROBI AFRICAN GEOPHYSICAL SOCIETY



UN-JAPAN WORKSHOP ISWI

The workshop entitled "United Nations / Japan Workshop on Space Weather" Science and Data Products from ISWI Instruments "was held in Fukuoka, Japan from 2 to 6 March 2015.



More than thirty articles will be subject to special issue in preparation for the review Sun and Geosphere. Articles must be submitted by 30 June 2015.

ITALIE -ICTP WORKSHOP/ NEQUICK

A workshop will be held at the center Abdu Salam in Trieste on the theme of NeQuick model. This model provides the Total Electron Contents.