

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 developing at the Institute of Geophysics in Hanoi.

BURKINA FASO and CÔTE D'IVOIRE

Five IGRGEA students can now be part of PhD theses.

Prof. Arsène KOBÉA, since 2004

Prof. Jean-Pierre ADOHI, since 2009

Prof. Vafi DOUMBIA, since 2010

Prof. Olivier OBROU, since 2010

Prof. Frédéric OUATTARA, since 2010

Prof. Arsène KOBÉA can be President of a Jury.

Thus it is now possible in West Africa to hold PhD in Geophysics and Space Weather entirely composed of African researchers.

All the IGRGEA members have published in class A international journals.

ENST/ FRANCE

The Brest National Telecommunications School has held in July 26 to August 2 2010 a training (for small number of students) for the use of GPS in Africa, leading to ionospheric studies. This teaching was given by Patrick Lassudrie-Duchesne and Rolland Fleury.

ENST/France has provided all the costs of living and feeding for all participants.

Participants :

Christian ZOUNDI (University of KOUDOUGOU/ BURKINA FASO)

Bienvenue DINGA (University of Marien NGOUABI/ CONGO)

Eugène KONAN (University of ABIDJAN/ CÔTE D'IVOIRE).

This formation will be followed up in the future.

EGYPT/SCHOOL

The Summer school on "Space Weather : Basic theory and hands-on experience" will be taking place at Helwan University from next September 20 to October 2. It is part of the ISWI and FEST (French Egyptian Year) projects.

Site : <http://www.spaceweather-eg.org/sws>

This school is especially oriented for Egyptian students with a master in Space Weather. The sponsors are:

HELWAN University

French CNRS/DRI

MICROSOFT

FEST Programme.

**ISWI
workshop**

EGYPT/ ISWI

The next ISWI workshop is jointly organized by United Nations and the spatial agencies NASA and JAXA. It will take place at HELWAN (near CAIRO) next 6 to 10 November.

Site : <http://www.spaceweather-eg.org/iswi>

Abstracts must be submitted before October 1st.

VIETNAM

Mr Thang NGUYEN CHIEN has obtained a funding for excellency scholarship from the Vietnamese Government to come to France for preparing a PhD.

His directors are Jean-Jacques BERTHELIER (LATMOS) and Michel MALINGRE (LPP).

His subjects is :

" Experimental Study of the low-latitude ionosphere and instabilities by in-situ observation of DEMETER and of ground based measurements in VIETNAM."

MOROCCO

Since its inauguration in 2007 the OUKAIMEDEN Observatory has organized every two years an astrophysical school.

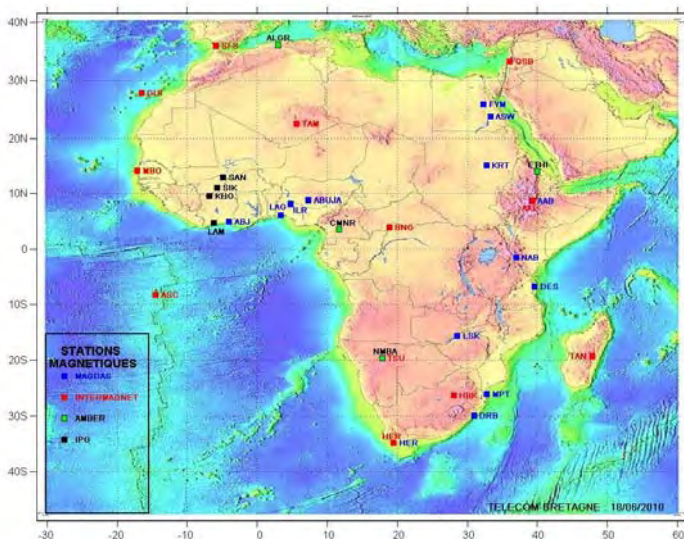
The OISA'11 will be the third edition, and it will be the first one treating studies of exoplanets.

Within its large scope, this school will give an opportunity for young Moroccan research people and students to discover exoplanet detection methods, to understand the spatial organization, and to discover the exoplanets characterization (atmosphere, size, ...).

The teaching will be given by astronomers of international level, who participate to many Space missions of observation and exploration.

<http://www.ucam.ac.ma/marrakechastro/oisa/>

MAGNETOMETER NETWORK in AFRICA



The map made by R. FLEURY presents the permanent networks of magnetometers in AFRICA :

* INTERMAGNET network : 10 stations (red)

<http://www.intermagnet.org>

* MAGDAS network : 14 stations + 1 to be set up (blue)

<http://www.serc.kyushu-u.ac.jp>

* IGP network: 4 stations (black)

<http://ganymede.ipgp.jussieu.fr/magnetisme>

* AMBER network : 4 stations (green)

<http://www2bc.edu/~kassie/AMBER.html>

There exist actually 32 permanent magnetometers in AFRICA whose data are available.

We recall that in 1991, only 8 permanent stations of the INTERMAGNET were operating.

MAGDAS NETWORK MAINTENANCE

During the last August, two teams of Japanese scientists led by Prof. F. YUMOTO and G. MAEDA came to:

- CÔTE D'IVOIRE / ABIDJAN
- NIGERIA / LAGOS and ABUJA
- ETHIOPIA / ADDIS ABBABA

In order to bring the level of these station network.

We thank Profs. YUMOTO AND MAEDA and their team.



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