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 差出人 George Maeda

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Attachment(s):

- (1) "Overview of Abuja workshop; by Dr Rabiou", 845 KB pdf, 11 pages.
- (2) "CALLISTOstatus20111022_V0", 979 KB pdf, 5 pages.
- (3) "Nigerian Union of Radio Science", 1198 KB pdf, 2 pages.

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:                               Re:
:                               see text below.
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Dear ISWI Participant:

There are three attachments today:

1.

On Day 1 of the recent UN/Nigeria Workshop on ISWI, Dr Rabiou (member of the LOC) gave an overview of the workshop. His PowerPoint is attached as pdf for your perusal. Nigeria, with one quarter of Africa's population, is by far the largest nation in Africa.

2.

This is CALLISTO status report #31. This network keeps on growing! The recent installation at Helwan University (Egypt) was explained as part of an ISWI Tutorial on Day 1 (2:10-2:30 PM, Abuja). Ms. Heba Mohamed delivered this tutorial on behalf of Dr Mahrous, who was not able to attend the workshop in person. It was a fine explanation of the Cairo Callisto installation. I would be happy to circulate a pdf of this story if the Helwan team is interested in generating the pdf for me. It would encourage more institutes around the world to install a Callisto station for the advancement of space weather science.

3.

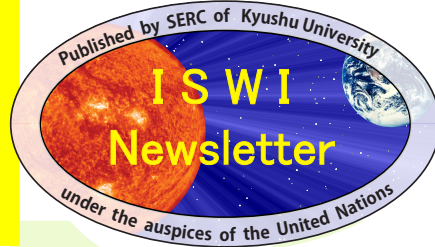
The final attachment comes from the Nigerian Union of Radio Science. Their annual conference takes place 23-25 November 2011 in Nsukka, Nigeria. I wish them a most fruitful conference. I scanned the pamphlet that they gave to me during UN/Nigeria Workshop on ISWI.

Happy Halloween from Fukuoka Japan !

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:      George Maeda
:      The Editor
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: ISWI Newsletter

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UN/NIGERIA Workshop on International Space Weather Initiative ISWI



17-21 October 2011
Abuja, Nigeria

Vegetation &
abundant
natural wealth

Peace



Host

- National Space Research and Development Agency [Centre for Basic Space Sciences CBSS]
- Federal Ministry of Science & Technology
- Federal Republic of Nigeria



Nigeria: Heart of Africa

- Largest producer of oil in Africa
- 160 million people
- $\frac{1}{4}$ of African Population





City of Event

- Abuja, 9.5° N,
 7.5° E
- 1 hr ahead of GMT
- 6hrs ahead
Washington DC





In Cairo 2010

- Nigeria hosted UN/NASA/ESA Workshop on BSSI in October 1993
- We have successfully hosted several int'l meetings
- NASRDA established in 1999 was ready to host this important meeting
- We were in touch with UNOOSA to perfect appropriate paper works



SUMMARY OF PARTICIPATION

- ARGENTINA
- AUSTRIA
- BRAZIL
- BULGARIA
- CROATIA
- DEMOCRATIC REPUBLIC OF CONGO (DRC)
- ECUADOR
- EGYPT
- ETHIOPIA
- FRANCE
- INDIA
- INDONESIA
- IRAQ
- JAPAN
- NIGER
- NIGERIA
- PERU
- SLOVAKIA
- THE PHILIPPINES
- TURKEY
- ZAMBIA

□ 21 Countries

□ 41 int'l

□ 54 local



Sponsorship

- UN
- ICG
- NASA
- SERC, Kyushu University, Japan
- CBSS-NASRDA
- Slovak Central Observatory, Hurbanovo, Slovakia
- Centro De Radio Astronomia E Astrofisica, São Paulo, Brazil



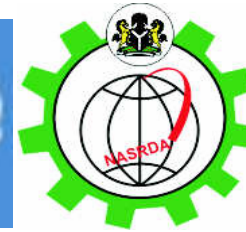
Programs

- Opening
- Invited Tutorials: 8
- Instrument session
- Total number of abstracts: 103
 - »Orals: 30
 - »Posters: 73
- 1 day field trip

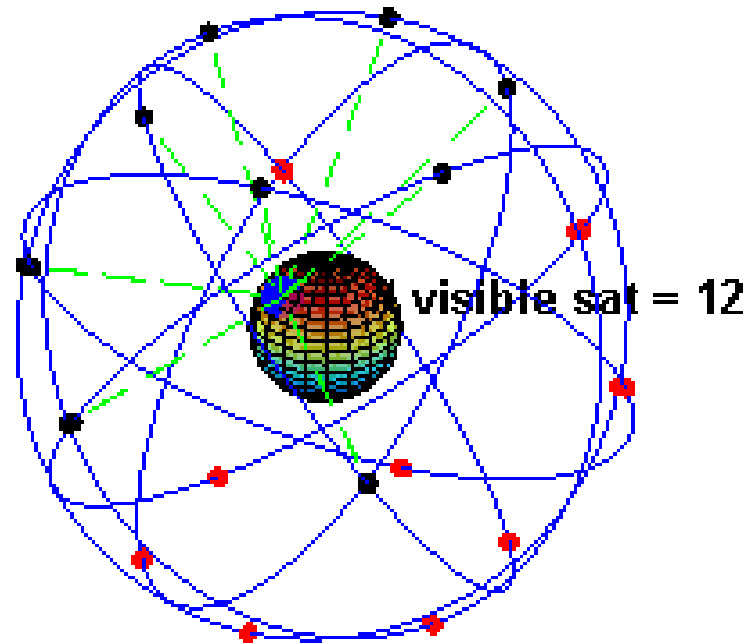


A week-long of . . .

- Scientific discussions
- Scientific discoveries
- Scientific prescription



WELCOME TO ABUJA, NIGERIA



Thank You



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Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

CALLISTO status report #31

Two new locations operational:

Since October the SWMC (Space Weather Monitoring Centre) at the Helwan University, south of Cairo in Egypt is operational. Installation/configuration and education of local people was supported by a 'Teaching Stay Grant' provided by the North-South Centre of ETH Zürich.

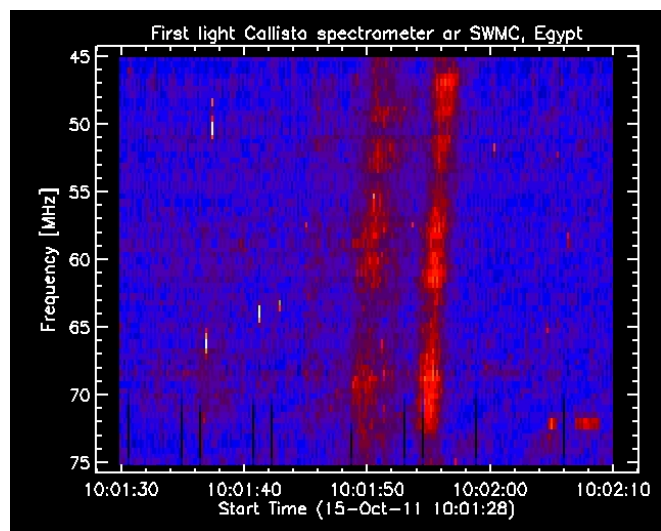
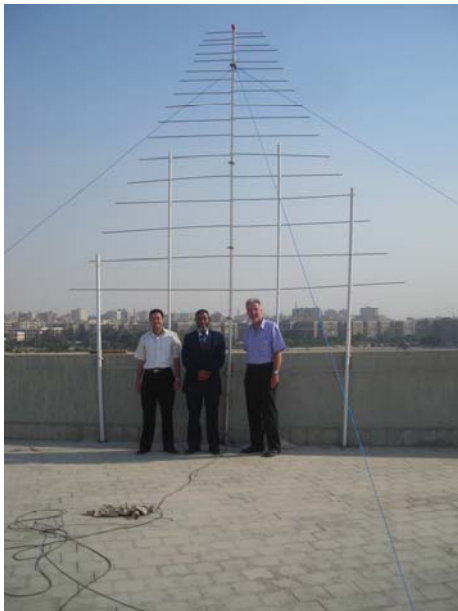


Fig. 1: Left: Logarithmic-periodic antenna on top of the roof of the institute. It was built from aluminium profiles from local stores with support from local people. Height of the antenna is 6m, the longest dipoles covering 20 MHz have about 6m. The preamplifier is a ZX60-33LN+ from Mini Circuits. Antenna cable (HX-50) is 30m long down to Callisto. In front of the antenna: Director SWMC Dr. Ayman M. Mahrour, Ahmed Salah (antenna installation) and the author Christian Monstein.

Right 1st light at SWMC, a type III burst from 20111511 at 10:01UT.

Another Callisto spectrometer has been sent to Crimean Astrophysical Observatory in Simpheropol, Ukraine beginning of July 2011. Since October 20th FIT-files are sporadically available on our data archive. The small range of observation allows high resolution in time and frequency range. This is ideal to study type I solar radio bursts.

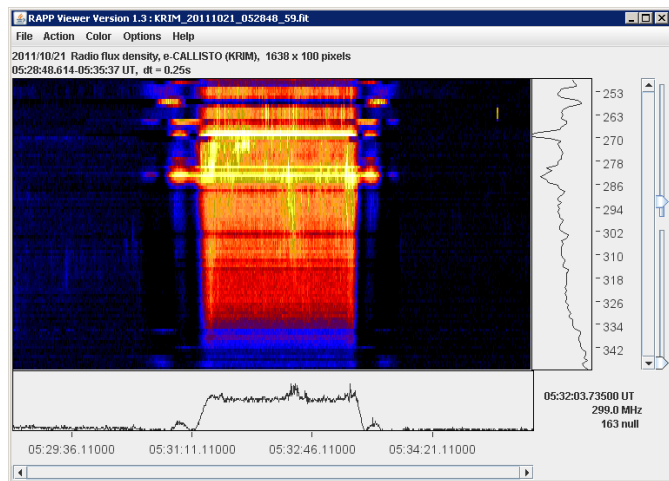


Fig. 2: Left: Phased array of 16 elements (4x4) with total size of 3.5x3.5 meter. Every element consists of 7 dipoles each. The frequency range is 250-350 MHz; the beam pattern is of order of 11°. The aerial is fixed on a parallactic mount with an electric drive to track the sun from 5 UT up to 13 UT. Preamplifier is a ZX60-33LN+ having a gain of 20 dB (placed in antenna box). Coaxial cable is 40 meters long with a loss of about 4 dB.

Right: Driftscan through the sun with some type I flares.



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

AOB

Next two workshops are planned:

1. In Nairobi, Kenya from 07.11.2011 till 12.11.2011, contact person Paul Baki, paulbaki(at)gmail.com
2. In Pune/India from 23.11.2011 till 25.11.2011, contact person: Subramaniam Ananthakrishnan, subra.anan(at)gmail.com

A new description of the e-Callisto network has been released on our website here:

<http://www.exp-astro.phys.ethz.ch/astro1/Users/cmonstei/instrument/callisto/Appdocs/The%20e-Callisto-Network.pdf>

Relevant Callisto-related links can be found here:

<http://e-callisto.org/>

Direct access to all Callisto data available here:

<http://soleil.i4ds.ch/solarradio/callistoQuicklooks/>

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On the other hand, if you know of someone who might be interested just send me the email of that person.

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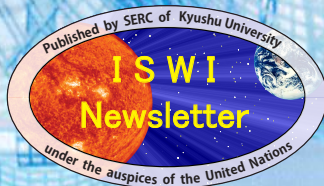
Exhibition and posters

NURS provides an opportunity to showcase original research results in science and technology through technological demonstration. It welcomes technology demonstrations that are both funded at either the states, national or commercially funded.

Demonstration stands are reserved for live technology demonstrations, but can feature early build relationships prototypes or a pre-commercial launch to a highly targeted, knowledgeable community. Participation in the Exhibition is rewarding, as it provides a valuable opportunity to make international contacts and to build relationships with potential partners or clients from around the country. Potential exhibitors will be selected based on the quality and relevance of their submission to the conference theme.

To maximise demonstration for available opportunities for exhibitors, coffee breaks will be held in the Exhibition area. Applications for exhibition space with payment will be accepted up to 2nd November, 2011.

Since the level of competition for available demonstration stands is likely to be high, applicants are advised to clearly state what they are planning to demonstrate and the value addition for conference delegates.



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Fee

Membership Application Fee	#1,000.00
Postgraduate student registration Fee	#1,000.00
Undergraduate student registration Fee	Free
Annual Dues for members	#5,000.00
Conference Fee for members	#3,000.00
Non members conference Fee	#5,000.00
Corporate Body Annual Fee	#20,000.00
Exhibition	#20,000.00

For online Payment:

Account Name: Nigeria Union of Radio Science
Bank: UBA, FUTA. Account Number: 03830550000091

Accommodation

Participants are expected to make their own hotel reservation of their choices from the list below:

1. CEC, University of Nigeria Nsukka.
 2. EL-Rina Hotels, No 6 Oloto Street, Nsukka.
 3. Connis Hotels, New Anglican Road, Nsukka.
 4. Ikenga Hotels, Ogwurugwu Road, Nsukka.
 5. New Carolina Hotels, Obollo Road/Beach Junction Nsukka
- Hotel rates ranging from: #3,500- #13,000.

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NIGERIAN UNION OF RADIO SCIENCE

Presents Her

4th National Annual Conference

Theme:

Radio Science and Vision 20-20-20

Date: Wednesday 23rd - Friday 25th November, 2011

Venue:

**Princess Alexandra Auditorium
University of Nigeria,
Nsukka, Nigeria.**

NIGERIAN UNION OF RADIO SCIENCE

Conference Announcement

Background to the Conference

The knowledge of Radio Science has application in all facets of life. This application ranges from e-learning, media (Radio and Television broadcasting), agricultural and extension services, mobile propagation, general studies, radio astronomy, electromagnetics in biology and medicines, wave propagation and remote sensing, radio communication system, systems and signal processing and meteorology. The aspect of the socio-economic application continues to evolve by the day as many new services are being introduced. The conference will address the application of radio science with special emphasis on vision 20-20-20. Experts from the mass media, research institutes and universities, military and the industry will address the above issues through presentation of papers. Keynote addresses will be delivered by experts in the various aspects of the main theme and sub themes of the conference

The Nigerian Union of Radio Science (NURS), which is the Nigerian National Committee of the International Union of Radio Science (URSI) and the foremost professional association for radio scientists, engineers and technologists in Nigeria therefore announces her fourth national annual conference scheduled to take place as follows:

Theme: Radio Science and Vision 20-20-20.

Date: Wednesday 23rd, - Friday 25th, November, 2011

Venue: Princess Alexandra Auditorium
University of Nigeria,
Nsukka, Nigeria.

Call for Papers

Therefore, original research papers are invited for the 2011 NURS Conference. The Conference language is British English and paper submissions should be technical and within the scope of NURS. Full papers for the proceedings should not exceed four pages.

The following conditions should be adopted for paper submissions:

- i. Presenters register, pay the conference fee, annual dues and present their papers.
- ii. Authors act on feedback and comments provided by referees to ensure standard Conference proceedings.
- iii. Presenters act on feedback provided by their session chair to ensure standard presentations.

Sub-themes for NURS 2011:

- * Radio Science and its impact on emerging economy
- * Radio Science and climate change
- * Radio Science and Telecommunication Development in Nigeria
- * Radio Astronomy and Space Research in a Developing economy
- * Radio Science and Transport Management
- * Wave Propagation and Remote Sensing
- * Spectrum Management in Nigeria
- * Health Effect of Radio Communication
- * Radio Science role in Journalism

Submission of Abstracts

Abstract for each submission should indicate clearly the title of paper, name(s) of the author(s) (underline the name of the presenter if multiple authors), telephone number of presenter, affiliation(s) of author(s); email address of the presenter, a summary of presentation (not more than 200 words) and sent via email to:

cc: cbss_unn@yahoo.com
najibgal@yahoo.com
ibokere@yahoo.com

Deadline for Abstract submission

The Deadline for Abstract submission is 15th Oct., 2011.

Paper acceptance messages will be sent to contact Author by 17th Oct., 2011.

Presentation of Papers at the Conference

Authors whose papers are accepted are expected to come with electronic version of their manuscript as well as two hard copies of the paper. Every presenter shall make use of the Microsoft Office PowerPoint.

Papers presented at the meeting shall undergo a review process and be published as a special publication in any of the following journals: Nigerian Journal of Space Research; Nigerian Journal of Pure and Applied Physics; Journal of Research in Science and Management; Journal of Meteorology and climate Science. Please ensure that no contact details are provided within the text or properties of the paper submitted. All contact details will be as part of the Registration and Submission Process.