

**INTERNATIONAL ACADEMY OF ASTRONAUTICS  
2007 AFRICAN REGIONAL CONFERENCE**

***Theme:  
Space for Africa: Path to Knowledge and Development***

**CALL FOR PAPERS**

**ABUJA, NIGERIA  
DECEMBER 3<sup>rd</sup> – 5<sup>th</sup> 2007**



**NASRDA**



**UNCOUOS**

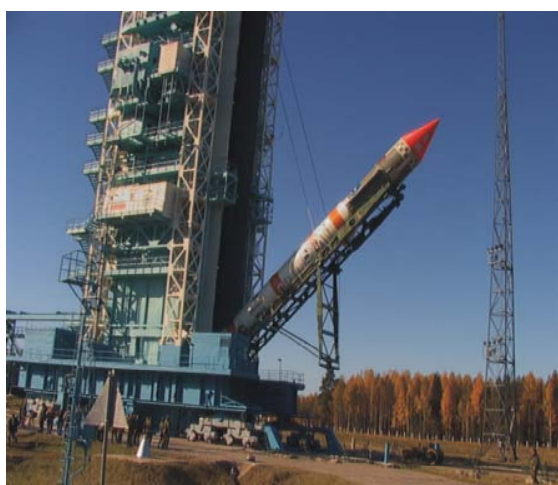


**IAA**

## Space for Africa: Path to Knowledge and Development 2007

“Space for Africa: Path to knowledge and Development” is the theme for the first 2007 IAA African Regional Conference to be held at the Transcorp Hilton Hotel, Abuja, Nigeria, December 3-5, 2007. The Abuja conference is jointly sponsored by the National Space Research and Development Agency (NASRDA) of Nigeria and the International Academy of Astronautics (IAA) and co-sponsored by the UN COPUOS. The Academy is an international community of leading experts (1200 members) committed to expanding the frontiers of space, the newest realm of human activity. To foster the development of astronautics, the Academy undertakes a number of activities, including the recognition of outstanding contributors through election and awards. It also facilitates professional communication, develops and promotes new ideas and initiatives, engages the public, and fosters a sense of community among the members. This is a unique non-governmental and independent organization, 75-nationality body, established in the sixties at the time of the race to the Moon and recognized by the United Nations in 1996. It is an honorary society with an action agenda. Its members work closely with national and international space agencies, industry, and the academic community to determine needs and objectives, and to help shape policy and forge cooperation by means of studies, position papers, conferences and publications

The Space for Africa conference will specifically highlight the role that space science and technology can play in the enhancement of sustainable development in Africa. This includes, *inter-alia*, knowledge generation, system development and applications of space science and technology for public good, with emphasis on the role of decision makers in sustainable development efforts. The IAA Conference will provide a platform that can attract the scientific and engineering community to accomplish the specified goals.



**Cosmos Launcher used for launching NigeriaSat-1 Space Craft into orbit**



**NigeriaSat-1 Image of New Orleans used for flood disaster management during hurricane Katrina**

## Conference Co-Chairmen

Dr. Adigun Ade Abiodun, Nigeria

Dr. K. Kasturirangan, Indian

## Honorary Chairmen

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Prof. C.A Onwumechili, Nigeria

## Co-Vice chairmen

Director, UN-OOSA, Austria

Dr. Jean Michel Contant, IAA

## General Secretary

Mr. Jide Ajayi, Nigeria

## Co- International Programme Committee

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Dr. Joseph O. Akinyede, NASRDA, Nigeria

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Dr. Rainer Sandau, DLR, Germany

MYS Prasad, ISRO, India

Rhoda Hornstein, NASA, USA

Mukund Rao, India

Mourad Kelladi, Algeria

Dr. Leon Alkalai, JPL/NASA, USA

Mustapha Masmoudi, Tunisia

Dr. Alice Lee, UN OOSA



**Riyom Rock in Jos Plateau State, Nigeria.**

## Call for Papers

The conference would provide a forum for the presentation and discussion of topics related to the theme, “Space for Africa: Path to Knowledge and Development”. Papers are invited in the following areas of the conference Sub-themes:

- **Space technology development, including hardware and software development** with emphasis on Competence building and the emergence and nurturing of space related industries; Developing engineering competence using space as a motivation; Development, design and building of small satellites and associated payloads as an affordable route to space; Emerging allied industries, spin-offs, cooperation programmes, commercial activities and including satellite data and services .
- **Basic space sciences** with a focus on (i) astronomy and equatorial electro-jet, including past, current and future efforts in Africa and the results of such efforts; (ii) study of the upper atmosphere with emphasis on climate change in Africa; and (iii) The International Heliophysical Year (IHY) and the contributions of Africa to this effort.
- **The Equatorial orbit:** Physical characteristics, comparison of these characteristics with those of other LEOs, particularly the polar orbit. Challenges and benefits of understanding and utilizing the equatorial orbits by the developing countries, particularly those of Africa.
- **Advances in Earth observation sciences and related technologies:** The applications of space-acquired data to monitor all facets of the oil industry, national security, food security, land-use and land-cover changes, landscape mosaics, resource management (desertification, flooding, water resources including the gradual extinction of Lake Chad), pollution, disaster management including forest fires in Africa, weather and related climate change including Africa’s contributions to global warming as exemplified by the melting ice cap on Mount Kilimanjaro.
- **Future Trends in Communications**  
Rural communication, rural health delivery, growth and usage of bandwidth, spectrum slicing, satellite communication application in tele-health, tele-education, e-commerce and e-government.

## *Paper Format*

**An abstract of half a page of A4 size, should be submitted to the International programme Committee not later than 31<sup>st</sup> August, 2007. Prospective participants will be informed of the acceptance of their abstracts on or before 15<sup>th</sup> September, 2007. Full papers, not more than 12 pages of A4 size on font 12 of accepted abstracts should be received by the programme committee, with a modified abstract, if necessary, on or before the 30<sup>th</sup> of September 2007. Acceptance of full papers and papers for poster sessions will be communicated by 31<sup>st</sup> October, 2007. Abstracts should be submitted in, Microsoft Word (12 point Times New Roman), with bolded headings, author/s name, e-mail and affiliation at the top. All abstracts to be forwarded to the contact addresses.**



**South Africa Large Telescope (SALT)**

### **Exhibit**

The Exhibition hall will feature scientific exhibits as well as space hardware products and services. Please refer to the “Space for Africa: Path to Knowledge and Development 2007” Home page for more information at [www.iaaweb.org/contact/view/255/392](http://www.iaaweb.org/contact/view/255/392) after 30th July 2007.



# IAA Africa Regional Conference

*Space for Africa: Path to Knowledge and Development*

3<sup>RD</sup> – 5<sup>TH</sup> DEC 2007

Transcorp Hilton Hotel Abuja.



## ABSTRACT SUBMISSION FORM

Please complete this form and mail to [ajayijide2000@yahoo.com](mailto:ajayijide2000@yahoo.com), [jajayi@nasrda.net](mailto:jajayi@nasrda.net) or fax to +234-(9)-4132624

[www.iaaweb.org/contact/view/255/392](http://www.iaaweb.org/contact/view/255/392)

**Title:**

**Author(s):**

**Keyword:**

**ABSTRACT<sup>(1)</sup>**

<sup>(1)</sup> Please refer to call for papers details.

## Registration

Prospective participants can take advantage of the early registration fees and discounts as highlighted below;

Registration Fee	Before Nov 1 <sup>st</sup> 07	After Nov 1 <sup>st</sup> 07	On Site
African participants	US \$50/ <del>N</del> 6,500	US \$60/ <del>N</del> 7,800	US \$70/ <del>N</del> 9,100
IAA member	US \$150	US \$200	US \$250
Non IAA member	US \$200	US \$250	US \$300
Students & accompanies	US \$20	US \$25	US \$30

**Naira equivalent of the above is also acceptable at the rate of \$1 to N130**

Further registration details and an off-line registration form can be found on the web site at <http://iaaweb.org/content/view/255/392/after> 30th July 2007. Registration forms will also be made available at the conference venue.

## Accommodation

Hotel rooms and rates have been negotiated and can be found on the Homepage at [www.iaaweb.org/contact/view/255/392](http://www.iaaweb.org/contact/view/255/392) after 30th July 2007.

## Transportation details (International & Local)

- The following airlines fly to Abuja and Lagos, **British Airways, Lufthansa, KLM, Virgin Nigeria, Virgin Atlantic, Emirates, Bellview, South African Airlines, Kenya Airlines** and a few others. However **KLM, British Airways** and **Lufthansa** fly directly to Abuja. Please visit their websites for further information
- There are 6 local airlines that fly from Lagos to Abuja daily. The Airlines are as follows: **Virgin Nigeria, Aerocontractor, Chanchangi, Bellview, Arik and IRS**. Their fares range between N13, 000 and N18, 000 or \$107 - \$140 depending on when booking is made. There are flights from Lagos to Abuja every 1 – 2 hours.  
**Delegates are advised to route there flights directly to Abuja from their home countries if possible.**
- Arrangements will be made to meet delegates at both Lagos and Abuja airports; transfer's arrangements will be made where necessary. Please note that delegates will be required to fill the travel itinerary in the registration forms.
- Transport arrangements will be made from each hotel to the conference location

## VISA:

Foreign delegates are required to fill their passport details on the registration form and forward it to the contact addresses provided. This is required to enable the secretariat to send a formal invitation to the delegates. All Nigeria Embassies abroad have been informed about the Conference to prevent delay in processing visas.

## Contacts:

**General Secretary: Jide AJAYI, National Space Research and Development Agency, e-mail: [ajayijide2000@yahoo.com](mailto:ajayijide2000@yahoo.com), [ajayijide@hotmail.com](mailto:ajayijide@hotmail.com) or [jajayi@nasrda.net](mailto:jajayi@nasrda.net)  
Phone: 234-802-340-1381, 234-807-584-9733 or 234-(9)-2342203 Fax: +234-(9)-4132624**