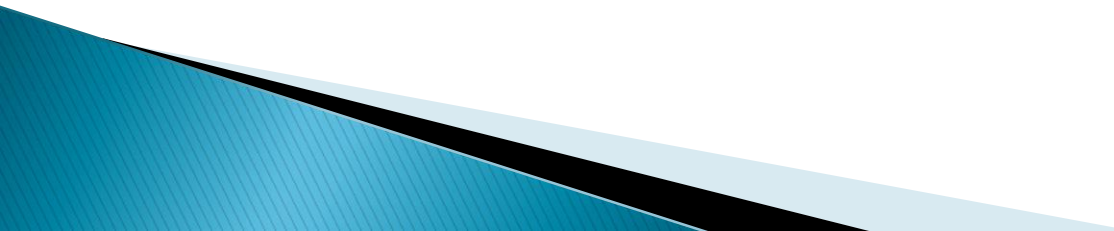


# TOWARDS UNISEC–NIGERIA, THE JOURNEY SO FAR.

Nnadih Stanislaus O.  
African Regional Centre for Space Science and  
Technology Education in English, Nigeria.

# HOW IT ALL STARTED

- ▶ Space related education in Nigeria started with the inception of the African Regional Centre for Space Science and Technology Education, a UN affiliated centre for the English speaking countries in Africa.
  - ▶ Which presently operate under the Nigerian Space Agency– The National Space Research and Development Agency (NASRDA)
- 

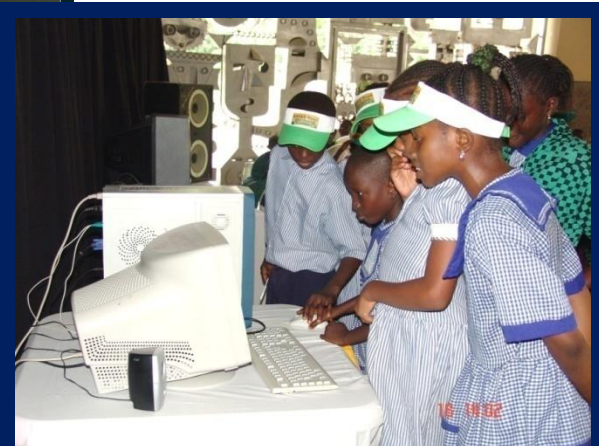
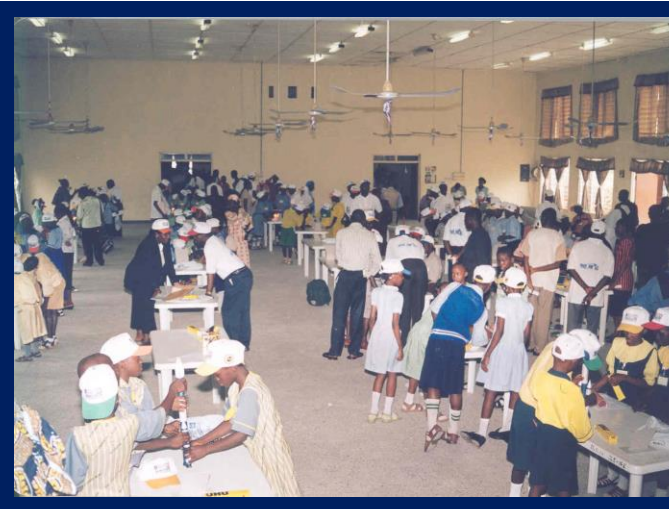
- ▶ The Centre believes in the “Catch them young syndrome” – more attention to school children because they are the future leaders





# Schools' Workshop

## Hands-on Activities







### **North West Zone**

Venue: Kano, Kano State  
April 18, 2013



### **North Central Zone**

Venue: Minna, Niger State  
March 27, 2013



### **South West Zone**

Venue: Ile-Ife, Osun State  
May 14-15, 2013



## **Zonal Workshops on Robotics**

### **South East Zone**

Venue: Awka, Anambra State  
May 8, 2013



### **South-South Zone**

Venue: Calabar, Cross River State  
Scheduled for June 5, 2013



# ARCSSTE-E'S ZERONAUT PROGRAMME AS PART OF THE WORLD SPACE WEEK ACTIVITIES

**Stella Felix**

ARCSSTE-E's 1st Zeronaut 2006



**Adeolu Akano**

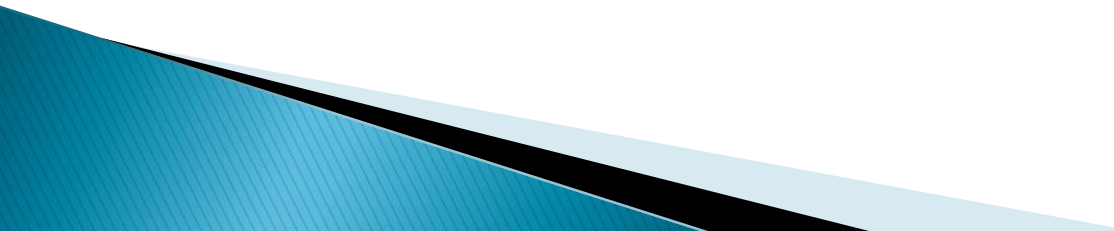
ARCSSTE-E's 2nd Zeronaut 2007



**Omolola Ibrahim**

ARCSSTE-E's 3rd Zeronaut 2008

The Zeronaut Programme was established to inspire the young ones. It takes place annually at the Kennedy Space Center, Florida, USA in collaboration with Space Week International Association (SIA). Three Nigerian secondary school students selected by ARCSSTE-E have been privileged to participate in the Zero-G flight, and experience the floating conditions associated with space flights.

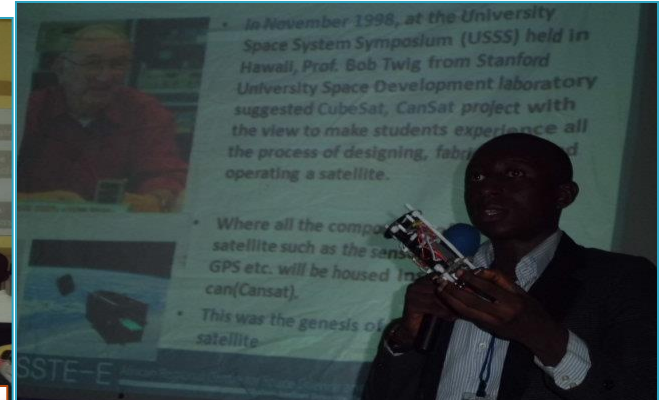
- ▶ The Centre also noticed that these Students graduate from the primary schools to the universities only to discover their dream course of study where not available
  - ▶ No University in the country presently offer program in Space science and space system development maybe due to economic constraint to acquire the necessary equipment;
- 

- ▶ The Centre has designed curriculum such that space education can be taught as a course in schools and has also established space clubs in primary, secondary and tertiary institutions as extra curriculum activities, to better educate the students.



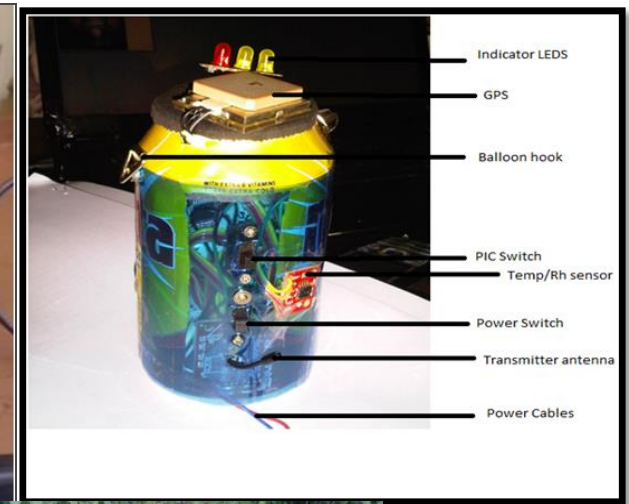
- ▶ Prior to our participation in CLTP's; space systems development for educational purpose was seen as unimaginable or “just-a-dream”.
- ▶ Thereafter, we have successfully organized training workshops to students in some universities across the nation
  - University of Nigeria Nsukka,
  - University of Uyo
  - Federal University of Technology, Akure
  - Enugu State University of Science and Technology
  - Osun State University,
  - Obafemi Awolowo University,
  - Fountain University, Oshogbo.

# TRAINING WORKSHOP AT DIFFERENT INSTITUTIONS



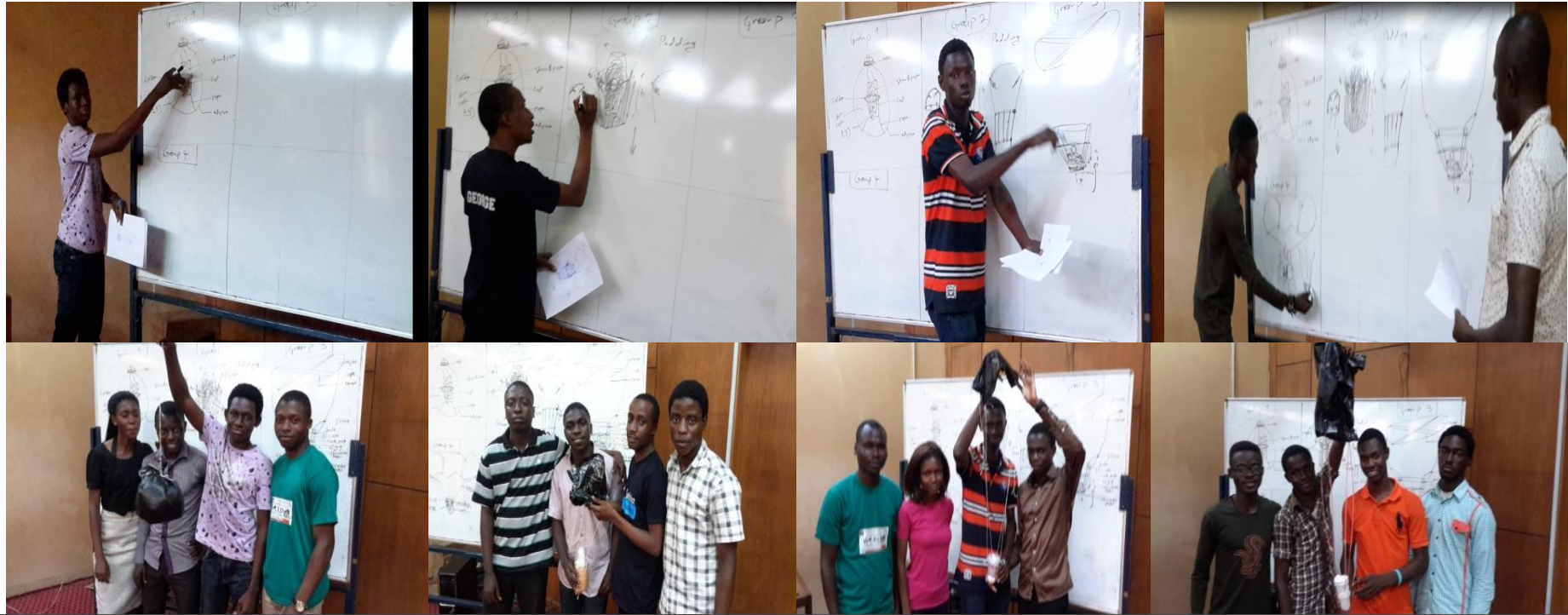


# STUDENTS SPACE RELATED PROJECTS AS A RESULT OF THE TRAINING WORKSHOPS HELD IN THEIR INSTITUTIONS





# EGG FLIGHT COMPETITION AMONG UNIVERSITY STUDENTS



The students from four universities were given locally sourced materials and a payload (raw egg) to design and build a system that was dropped from a tall building to recover the raw egg.


This competition challenged them to think creatively and also work as a group just like in space industry

# MICROSOFT IMAGINE CUP CONTEST



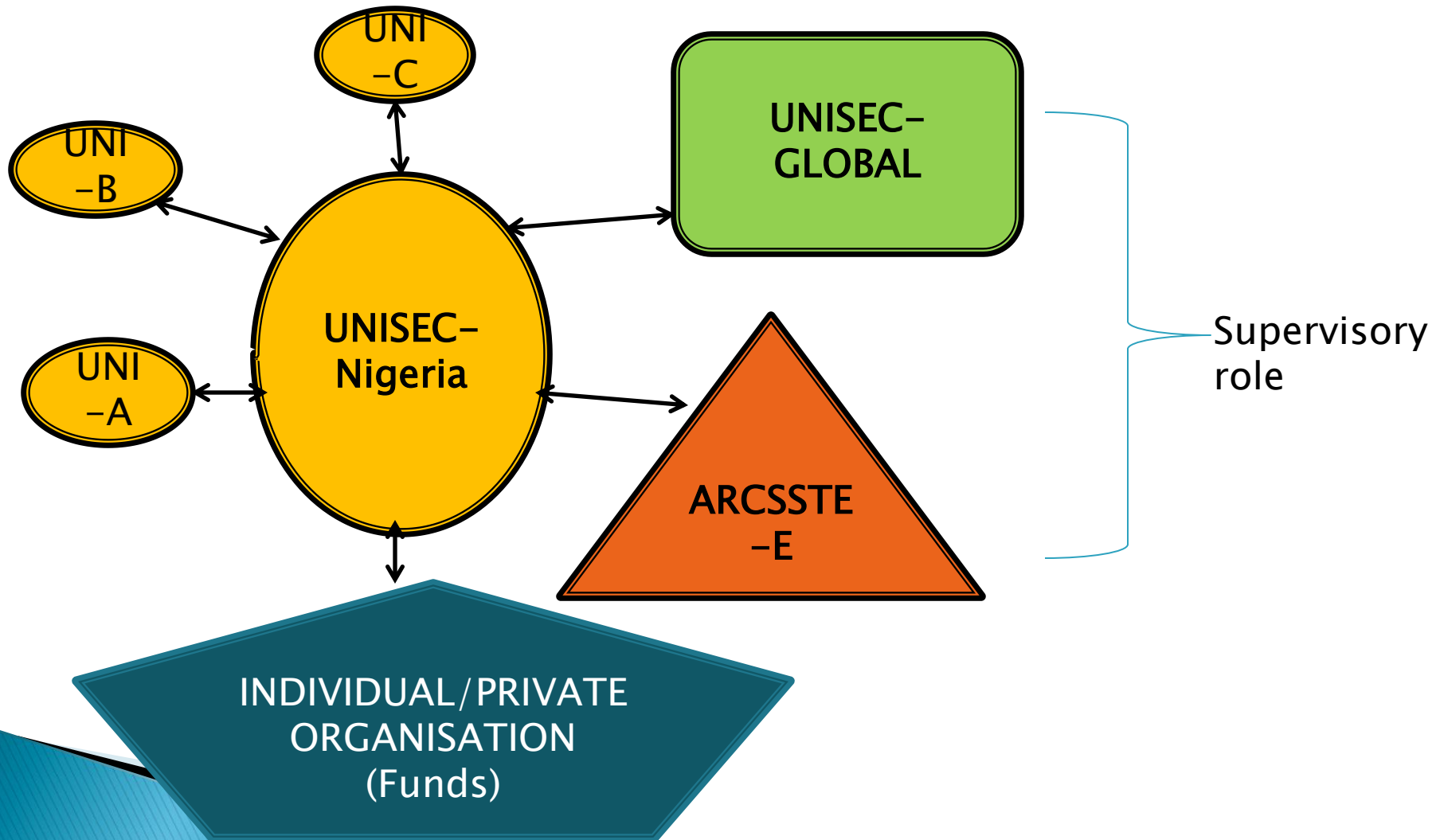
A student from Obafemi Awolowo University participated in Microsoft Imagine Cup contest that was held in Nigeria 2013, with a canSAT he developed

# BENEFITS OF UNISEC–NIGERIA TO THE NATION

- ▶ UNISEC–Nigeria will motivate and encourage more universities to participate in space related activities
  - ▶ She will encourage competition and collaboration among students and universities
  - ▶ She will also promote incremental learning (*step-by-step progression*)
  - ▶ UNISEC–Nigeria will create an opportunity for individuals and private organization to fund her activities
- 



# DRAFT STRUCTURE OF UNISEC-NIGERIA



# THANK YOU FOR YOUR ATTENTION

Contact:  
Nnadih Stanislaus Ogechukwu  
[sonnadih@gmail.com](mailto:sonnadih@gmail.com)  
Skype ID: nnadih.