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STAN NewsLetter

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Awka Awaits STAN Delegates

As the 56th Annual Conference of the Science Teachers Association of Nigeria (STAN) draws near, the Anambra State Branch Chair, Dr. Marcellinus Anaekwe has reiterated the State's readiness to host the conference. The Conference on the theme *Towards Effective Application of Science, Technology, Engineering, and Mathematics (STEM) Education Research* is scheduled for 17 - 22 August, 2015 and will be declared open on Tuesday 18 August at 4.30pm by the Executive Governor of Anambra State, His Excellency, Chief Willie Obiano. Highlights of the conference include the STAN National Science Fair, the Keynote Address to be presented by Professor Michael Adikwu, **the Vice Chancellor, University of Abuja, Abuja**; the STAN Memorial Lecture to be delivered by Dr. Eunice Owoyemi, of University of Lagos, Akoka, and the UNESCO West African Regional Symposium on the conference theme.

New Remittance, Training Regimes For STAN

The Science Teachers Association of Nigeria (STAN) has implemented a new method for remittance of dues, conference fees, etc by its membership through the services of First Bank, eTranzact, and DNET Systems. Members are urged to contact their State Chairs on the following numbers if they encounter difficulties or call STAN Headquarters on **0708 274 3110** and **0805 196 9227**.

| | |
|-------------|------------------------------|
| Abia | 0803 501 6927, 0805 825 0306 |
| Abuja | 0803 6047 119 |
| Adamawa | 0803 9642 491 |
| Akwa Ibom | 0806 715 8228, 0802 831 6013 |
| Anambra | 0803 4409 294 |
| Bauchi | 0806 925 0108 |
| Bayelsa | 0803 773 7036 |
| Benue | 0703 8178 856 |
| Borno | 0703 669 9945 |
| Cross River | 0806 459 0572 |
| Delta | 0803 404 7807 |

| | |
|----------|------------------------------|
| Ekiti | 0803 392 9292 |
| Enugu | 0803 750 2272, 0805 920 5521 |
| Gombe | 0706 643 6104 |
| Imo | 0803 677 9333 |
| Jigawa | 0802 407 8284 |
| Kaduna | 0805 574 4430, 0803 909 3287 |
| Kano | 0806 047 3672 |
| Katsina | 0803 637 4444 |
| Kebbi | 0706 426 7171 |
| Kogi | 0806 362 3988 |
| Kwara | 0803 562 2496 |
| Lagos | 0803 360 2260 |
| Nasarawa | 0806 611 0214 |
| Niger | 0803 569 6362 |
| Ogun | 0803 408 3958 |
| Ondo | 0703 420 2968, 0805 918 0031 |
| Osun | 0803 382 8187 |
| Oyo | 0805 2176 332, 0813 702 3933 |
| Plateau | 0803 459 0767, 0802 830 8096 |
| Rivers | 0807 558 8643 |
| Sokoto | 0803 577 6632 |
| Taraba | 0806 770 2545 |
| Yobe | 0802 381 0419, 0805 468 5470 |
| Zamfara | 0806 489 3341 |

The procedure for remitting annual subscription, annual conference fee, etc is as follows:

1. Register as a member on the website www.stanonline.org by completing an online membership form and uploading your passport-sized photograph. The photograph should be taken in a standard studio such as Phototek. This is done once and for all. A member ID will be generated for you. Please keep Your Member ID. (If you have earlier completed the form, skip this step).
2. Login onto the Registered Member area with your

Member ID, Surname & Password

3. Click on "Make New Payment" to make new payment
4. Click on the particular item which you want to make payment for
5. Enter year which you are paying for, in case of "Annual Subscription" or "Annual Conference"
6. Choose a Payment Option:
 - Option (a) Debit Card
 - Option (b) In-Branch
7. Irrespective of the option selected in 6 above:
 - (i) An Online invoice will be generated for you.
 - (ii) Print out the Invoice and keep it.
 - (iii) Transaction ID will be generated for you. Keep it for future reference

If you have selected Debit Card Payment Option, follow these steps for payment:

1. Click on "Pay Now With Debit Card"
2. Enter your Debit Card's PIN and Expiry Date
3. An E-Receipt will be generated for you once your payment is confirmed. Print out the E-Receipt and keep.
4. Logout

If you selected In-Branch Payment Option, follow these steps:

1. Logout from the Members' area
2. Go to any of the following Banks with the computer generated invoice and make payment (Transaction ID, Membership ID & Surname should be extracted from the invoice):
 - First Bank of Nigeria Plc
 - Guaranty Trust Bank Plc
 - United Bank for Africa Plc
3. Once you pay at a designated bank, the Bank will generate Confirmation ID and Receipt No (Teller No) for you.
4. Go back to the Website and Login with your Member ID, Surname & Password
5. Click on "Complete Payment" in order to complete your payment
6. Enter your Transaction ID, Receipt No (Teller No) and Confirmation No
7. A Confirmation Invoice will be generated for you
8. Click on "Submit" to complete the payment
9. E-Receipt will be generated for you once your payment is confirmed. Print out the E-Receipt and keep it.
10. Logout

NOTES

1. This scheme has taken off. Accordingly, all members are strongly advised not to make payments directly into STAN Bank Accounts as was the case before except in a few cases where the STAN Headquarters will so advise.
2. Payments have to be made individually as each member will have a record in the data base.
3. Where in difficulty, please contact the Chair of your branch on the number advertised in this, Newsletter.

In the same vein, the Association has been mounting a new training programme at its national workshops. Training modules have been produced and members are urged to contact subject panel chairs and the Curriculum Development Co-ordinator on the following numbers for further details if necessary:

| | |
|--------------------------------------|---------------|
| Agricultural Science | 0806 770 8211 |
| Basic Science | 0806 529 0922 |
| Basic Science and Technology | 0813 668 4536 |
| Biology | 0803 404 0671 |
| Chemistry | 0803 358 1992 |
| Computer Studies | 0806 310 0622 |
| Home Economics | 0807 260 3048 |
| Mathematics | 0805 104 1377 |
| Physical and Health Education | 0803 627 3422 |
| Physics | 0802 381 0419 |
| Technology Education | 0805 693 4522 |
| CDC | 0805 574 4430 |

56th Annual Conference Charges

| | |
|--|-------------------|
| Annual Conference Registration | = N7,300.= |
| Dinner (Mandatory for members of Governing Council)* | = N5,000 . = |
| Feeding at Conference Venue (18 meals)** | = N2,700.= |
| Total | =N15,000.= |

* This is payable at the conference venue only

** Please don't pay this into STAN account. Participants are to keep it for their feeding.

STAN 56TH ANNUAL CONFERENCE 17 -22 AUGUST, 2016

VENUE

Federal Science & Technical College, Awka,
Anambra State

CONFERENCE THEME

Towards Effective Application of STEM Education
Research

SUB-THEMES

- A) Research Infrastructure
- B) Human Capital for Research
- C) Research Outcomes and Public Policy
- D) Research Outcomes and Classroom Delivery

Highlights

*Special Items on the Conference Programme

- a. **STAN Science Projects/Quiz Competitions**
The National theme for projects is "Food Security". There will also be competitions in the free choice category. Oral and written presentations (3 copies) will be required. In the quiz competitions, questions will cover up to the SSII Curriculum in Agricultural Science, Biology, Chemistry, Computer Studies, Home Economics, Mathematics (General/ Further), Physical and Health Education, Physics, and Technology. SSIII students are not to participate in the competitions. Each State is to present a maximum of 4 students - 2 for quiz and 2 for project.
- b. **Primary Science Projects/Quiz Competitions**
These competitions will take place among primary school pupils who should please be fully supported to the conference by State Universal Basic Education Boards. Each State is to present a maximum of four pupils (two for quiz, and two for projects).
- c. **STAN Fellowship Award**
Professor Felicia Onyemowo Agbo, Dr. Stella Iortim and Elder Cyril Chukwudi Ngemegwai will receive the FSTAN Award on Friday 21 August, 2015. Don't miss the session.
- d. **Branch of the Year Award**
This Award will be made to the best five branches of STAN in 2015. The ceremony is scheduled for Friday 21 August, 2015 at 6.30p.m. Please be there.
- e. **Mamman Wasagu Award**
This Award will be made to the state with the highest membership registration in 2015 on Friday 21 August, 2015 at 6.00p.m.
- f. **Eunice Okeke Award**
This Award will be made to the state with the highest conference registration in 2015 on Friday 21 August, 2015 at 6.00p.m.
- g. **Uduogie Ivowi Award for the Best Conference Paper**
This Award will be made to the 2015 recipient on Friday 21 August, 2015 at 6.00p.m.
- h.. **STAN-Napoleon Bryant Award**
This Award will be made to the best science teacher in 2015 and the best senior secondary student in the quiz competition. All Branch Chairs are expected to submit entries on or before 17 April, 2015.
- i. **Members' Exhibition and Poster Session**
There will be opportunity for science teachers to exhibit teaching materials and posters which they have personally made.

Notice of 56th Annual General Meeting

- Date:** Friday 21 August, 2015
- Time:** 1.00pm
- Venue:** Federal Science & Technical College, Awka, Anambra State
- Election:** Vice President, General Secretary, and Curriculum Development Co-ordinator

Provisional Conference Programme

- Saturday 15 August 2015** Principal Officers arrive
Sunday 16 August 2015 Pre-Conference Planning Committee Meeting
 Pre-Conference Press Release
- Monday 17 August 2015** Members of the Executive Board Arrive
- 9.00am Conference Registration Begins
 4.00pm Executive Board Meeting
 8.00pm Dinner
- Tuesday 18 August, 2015**
 9.00am Conference Registration Continues
 9.00am Courtesy call on Governor
 2.00pm Lunch
 3.00pm Review of WAEC and NECO Chief Examiners' Reports
 4.30pm **Opening Ceremony**
- National Anthem
 - Introduction of Dignitaries
 - Address of Welcome by Head of Institution
 - STAN President's Address
 - Short Cultural Show
 - Goodwill Messages
 - Address by UNESCO
 - Address by the Minister of Education
 - Address by Executive Governor and Declaration of Conference Open
 - Vote of Thanks by the Conference Chair
 - Group Photographs
 - Opening of Science Fair and Exhibition by the Executive Governor
- 8.00pm Dinner
- Wednesday 19 August, 2015**
 8.00-11.00am Educational Visits
 9.00-10.30am Plenary Session 1: Keynote Address
 9.00-6.00pm Science Project/Quiz
 10.30-11.00am Visits to Exhibitions Stands
 11.00-11.30am Break
 11.30-1.00pm Special Lecture
 1.00-2.00pm Launching of New STAN Publications
 2.00-3.00pm Lunch
 3.00-4.00pm **Subject Panel Meetings (Paper Presentation)**
- Basic Science
 - Home Economics
 - ICT
 - Workshops
- 4.00-4.30pm Break
 4.30-6.00pm **Board of Fellows Meeting**
 Subject Panel Meetings (Paper Presentation)
- Environmental Education
 - Gender & STME
 - Science-Technology-Society
 - Teacher Education
 - Special Lecture
 - Workshops
- Thursday 20 August, 2015**
 8.00-11.30am Educational Visits
 9.00-11.00am **Subject Panel Meetings (Paper Presentation)**
- Agricultural Science
 - Biology
 - Chemistry
 - Mathematics
 - Physics
 - Physical & Health Education
 - Special Lecture
 - Workshops
- 11.00-11.30am Break
 11.30-1.30pm Memorial Lecture
 Workshops
 2.00-3.00pm Lunch
 3.00-4.00pm **Subject Panel Meetings-(Business)**

**For further information on the conference,
Please contact:**

Patience Onochie

Principal Administrative Officer
Science Teachers Association of Nigeria
The STAN Place, Kwali,
P.M.B. 777 Garki, Abuja.
Tel: 0708 274 3110, 0805 196 9227
Website: www.stanonline.org
Email: stan.headquarters@gmail.com

OR

Mrs. Chinwe Njelita

Conference Secretary
Nwafor Orizu College of Education,
Nsugbe, Anambra State
0703 108 1000

Dr. Marcellinus Anaeke

Conference Chair
Federal College of Education (Technical),
Umunze, Anambra State
0803 440 9294

Mr. Benson Ugwoke

Publicity Secretary
0803 289 9628

Very Important Information

STAN Website: www.stanonline.org
STAN E-mail Address: stan.headquarters@gmail.com
Telephone Numbers: 0708 274 3110
0805 196 9227

- Environmental Education
- Gender and STME
- Teacher Education
- Basic Science
- Science-Technology-Society
- Basic Science & Technology
- Home Economics
- ICT
- Break
- Symposium**
- Special Meetings
- Workshops**
- Subject Panel Meetings - (Business)
- Agricultural Science
- Biology
- Chemistry
- Mathematics
- Physics
- Technology Education
- Physical & Health Education

4.00-4.30pm
4.30-6.30pm

6.30-8.00pm **Governing Council Meeting**
8.00pm Dinner

Friday 21 August, 2015

- 8.00-11.30am Educational Visits
- 9.00-11.30am Contributed Papers to the Sub-themes
Meeting of Subject Panel Officers with
Curriculum Development Co-ordinator;
Science Fair Co-ordinators' Meeting
Editorial Board Meeting
- 11.30-12.00noon Break
- 1.00-3.00pm Annual General Meeting
- 4.00-6.00pm Science Quiz Finals
- 6.00-7.00pm Awards
- Science Projects & Quiz Prizes
- Mamman Wasagu Award
- Eunice Okeke Award
- Ivowi Award for Best Conference Paper
- STAN-Napoleon Bryant Award
- State Branch of the Year Award
- DSE Award
- Honorary FSTAN Award
- FSTAN Award

8.00-1.00pm Annual Dinner

Saturday 22 August, 2015

- 6.00-8.00am Departure of Delegates
- 2.30-4.00pm Post Conference Planning Committee Meeting

Why you should attend this Conference

- * Because the conference theme focuses on "Effective Application of STEM Education Research"
- * Because it is a forum for exchange of views among STEM teachers from Nigeria and many overseas countries.

DRESS CODE AT ANNUAL DINNER

- Ladies:** Black Suit with white blouse/any all-white national dress
- Gentlemen:** Black lounge suit with white shirt and black bow tie/Any all-white national dress

HOTEL TARIFF IN AWKA

| S/NO | NAMES & ADDRESS OF HOTEL | CLASS OF ROOM | NO | RATES (₦) |
|------|---|--|--|--|
| 1 | ROYAL GARDEN HOTEL & SUITES No. 1 Garden Avenue, Nibo, Awka South 07030729777, 08065989606 | Kings Suites with Kitchen Queens Suites with Kitchen Executive Suites Luxury (Twin Bedroom) Executive Room Standard Room Studio Room | - - - - - - | 16,550 12,500 10,500 8,800 7,500 5000 4000 |
| 2 | COSMILA SUITES & HOTELS By NEC Road, Awka 08050597106,08031957813 | Standard Room Super Standard Room Executive Room Super Executive Room Suites Room Presidential Suite | 2 6 14 6 4 1 | 9,000 10,000 12,000 14,000 16,000 28,000 |
| 3 | CENTURY GUEST HOUSE/PLAYAZ BAR NO. 25 Court Road, Opposite CPS, Awka 07034992369, 07036365261. | Double Executive Classic | 4 2 8 | 27,000 37,000 6,000 |
| 4 | EMBROCCO HOTELS AMAWBIA. Opposite Police Headquarters 08060503334. | Simple Room with Fan Simple Room with A.C & Fan Sweet Suites with A.C & Fan Suites with A.C. | 10 4 4 4 | 2,000 2,500 3,500 4,000 |
| 5 | TRIG-POINT HOTEL. Amawbia Road Nibo, near Governor's Lodge, Awka 08037750706 www.trig-pointhotel.com info@trig-pointhotel.com | Single Room Double Rooms Executive Double Twin Room Mini Suite Executive Suite Presidential Suite | - - - - - - - | 9,000 11,000 13,000 18,000 19,000 26,000 70,000 |
| 6 | UP COUNTRY RESORT. No. 8 Hon. Mrs.Uche Ekwunife Crescent, Iyiagu Estate Awka 08033912419,08067987084 | Penti. House Family Suite Presice Suite Executive Classic | 1 5 2 8 12 | 25,000 15,000 10,000 6,500 5,000 |
| 7 | QUEENS SUITES. Iyiagu Estate, Awka 08174629720, 08036406253 | Royale Room Majestic Room Executive Suites Presidential Suites | 16 32 4 12 | 5,500 7,000 10,000 12,000 |
| 8 | ADMORE HOTELS No. 14 ObyOkoli Avenue, Awka (UNIZIK Temporary Site) 08064075455, 09039552074, 09029858988, 09095339537 | Executive Standard Single | 12 14 10 | 6,000 5,000 4,000 |
| 9 | HOTEL DE LANUTEL ¾ Lanutel Crescent by Royal Garden Hostel, 08032260278, 07060624662 | Standard Deluxe Classic Deluxe Alcove Mini Suite Presidential Suite | 26 2 5 3 1 | 7,100 9,100 10,100 12,100 15,100 |
| 10 | CRESCENS SPRING HOTEL I Nri Crescent Iyiagu Estate, P.O.Box 1026 Awka, Anambra State 08100254425, 08087071402 | Lucy Single Lucy Super Single Lucy Double Chidi Single Chidi Double Sarah Single Sarah, Double Sarah, Suite | 10 3 5 10 6 4 8 2 | 7,500 8,500 10,000 7,000 8,500 7,000 9,700 17,250 |
| 11 | REST POINT SUITE HOTEL Opposite Joseph The Worker Catholic Chaplaincy,UNIZIK Temporary Site, Awka,08142808087, 08030890349 | Standard Executive | 4 13 | 4,500 5,000 |
| 12 | IMPERIAL COTTAGE & SUITES No. 1 DiliItuludiegwu Drive, UNIZIK Junction, Awka, 08100606485, 07086521459, 08033085188 | Lower Deck Rooms Upper Deck Rooms (Luxury Suites) Executive Suites | - - - | 5,000 7,000 6,000 |

| | | | | |
|----|---|--|----------------------------------|---|
| 13 | WAITE WATERS (GUEST ROOMS) Near St. Joseph The Woker Chaplaincy, Iyiagu, Awka 08103576100, 08103576 101 | Studio Rooms Standard Rooms Executive Rooms | 2 13 5 | 2,500 3,000 3,500 |
| 14 | PARKTONIAN HOTELS Near UNIZIK Temporary Site Junction, Awka, 07034085430, 07034085545 | Studio Deluxe Alcove Classic Alcove Executive Suite | 2 18 16 2 2 | 11,000 11,500 12,000 15,000 18,000 |
| 15 | QUO-VADIS RESORT Iyiagu- Estate, Awka 08035869086, 08108468028 | Sing Room Double Single Double Single Lucy Single Executive Suites | 2 6 8 2 3 | 2,500 3,500 4,000 4,500 6,000 |
| 16 | NEW ORLEANS ROYALE Road 1 Udoka Housing Estate Awka 08189985633 | Studio Senior Studio Executive Rooms Deluxe Royale Mini Luxury Luxury Suites | 2 1 15 9 3 1 2 | 3,000 5,000 6,000 7,000 8,000 10,000 13,000 |
| 17 | ADIG SUITES Road 4 Udoka Housing Estate, Awka 08034669281 | Luxury Single Luxury Double Super Luxury Mini Suites Presidential Suites | 6 8 12 2 2 | 5,900 6,800 7,600 8,500 14,800 |
| 18 | CISNORS HOTEL AND SUITS No. 3/5 AnayoAjator, off Court Road, Near EzuUzu Palace extension, Udoka Estate, Awka 08068767971 | Single Rooms Double Rooms | 5 6 | 5,000 6,000 |
| 19 | BISHOP CROWTHER SEMINARY HOSTEL Off Works Road, Awka 08181360279, 08036681472 | Standard Bed | 400 | 1,000 |
| 20 | BROWNSVILLE HOTEL Off Sammy Sparkle Shopping Mall Obunagu Road, Awka 08066121900, 08033012657 | Single Room Standard Room Deluxe | 4 4 8 | 2,500 3,000 3,500 |
| 21 | HAVILLA SUITES Government House, Awka 08034082284 | Standard Room Executive Rooms Super Executive Rooms Suites | 4 8 4 3 | 7,000 9,000 10,000 18,000 |
| 22 | NUMAC HOTELS Behind Bishop Crowther Junior Seminary, Chukwuogor Street, Awka 08053060236, 08037416380 | Standard Rooms Executive Double | 4 15 | 3,000 32,000 |
| 23 | SUNCITY HOTELS & SUITES ReginaCaeli Road, beside Access Bank Plc. 08027735699, 08062257260 | Standard Double Deluxe Suite | 13 13 | 6,650 7,600 |
| 24 | KING DAVIDS HOTELS Regina Caeli Road, opposite Suncity Hotels, Awka 08161866768, 07080109999 | Standard Room Standard Double Deluxe Room | 18 9 7 | 5,500 6,500 7,000 |
| 25 | EMMAUS HOUSE COMPLEX Arthur Eze Avenue, beside Stadium, Awka 08136025463 | Standard Room Emmaus Suite | 8 4 | 4,000 8,500 |

Hostel Accommodation N1,500

BRANCH OF THE YEAR AWARD

Supply the following in the application

1. Name of Branch
2. Membership figures for the year (Note that the National Headquarters will be asked to confirm the figures)
3. Subventions received during the year
(A) for the branch
(B) through the branch to the national body
4. Status of payment of science allowance in your state
5. Details of workshops, seminars, and symposia organised during the year by your branch. Attach details of attendance, programmes, proceedings, Communique, etc
6. If your branch hosted a national workshop this year, state the role you played in providing support for the subject panel officers. You may attach evidence from the panel chair
7. Details of meetings held within the year (attach copies of Minutes)
8. Details of project(s) to be presented at this year's Conference (this information will be verified at the conference venue)
9. Major achievement of the branch during the year. Attach Relevant documents.

Note: Five best branches to win trophies

Information on STAN President's Award

Notes:

- a. Applications to be forwarded by Chair and/or secretary of the Branch
- b. Please attach the following to the application:
 - * Curriculum vitae of nominee
 - * Four copies of recent passport-sized photograph
 - * Photocopy of receipt for current membership
 - * Items of evidence for Section B Below
 - * Confidential report on teaching proficiency from colleagues, Head of Department/Head of School
- c. Only one nomination is expected from each branch.

SECTION A

Data on Nominee

These should include: Full names, school, branch, highest teaching qualification, subject taught, class taught, duration of teaching in present school, Teaching experience, year of enrolment in STAN, office held (if any). And involvement in popularisation of science activities.

SECTION B

- a. Please list innovation in lesson preparation that qualify the candidate as exemplary.
- b. Please list innovations in lesson delivery / presentation that qualify the candidate as exemplary
- c. Please list innovations in lesson evaluations in such areas as assessment techniques, manner of grading script, and manner of reporting learner performance of students in external examinations. For the purpose of this Award, teaching effectiveness will be assessed by:
 - i. performance of students in internal and external examinations.
 - ii. report from colleagues, head of department, or head of institution.

Very Important Information

STAN Website: www.stanonline.org
STAN E-mail Address: stan.headquarters@gmail.com
Telephone Numbers: 0708 274 3110
0805 196 9227

DEADLINES

- 10 July, 2015** Deadline for entries for STAN President's Award and Branch of the Year Award
- 13 July, 2015** Deadline for receipt of intention to contest for the following positions:
Vice President, General Secretary, and Curriculum Development Co-ordinator

Calendar

ASE Conference

Location: University of Birmingham, UK
Date: 6 - 9 January, 2016
Visit: www.ase.org.uk

NSTA Conference

Location: Nashville, USA
Date: 31 March - 3 April, 2016
Visit: www.nsta.org

ICASE 2016 World Conference

Antalya, Turkey <http://www.icase2016.org>

Important Dates

Abstract submission opens: 01 June 2015
Abstract submission deadline: 01 February 2016
Notification of acceptance/rejection: 15 May 2016
Early-bird registration deadline: 01 June 2016

Conference Dates: 31 October - 4 November 2016

Conference Theme: Interdisciplinary Science and Technology Education

Conference Strands:

- Strand 1: Science Learning: Understanding and Conceptual Change, Contexts, Characteristics and Interactions
- Strand 2: Science Learning in Informal Contexts: Science Communication & Science Centres
- Strand 3: Science Teaching: Characteristics and Strategies
- Strand 4: Critical Analysis of School Science Textbooks
- Strand 5: Pre-service Science Teacher Education
- Strand 6: In-service Science Teacher Education
- Strand 7: Curriculum Development, Evaluation, and Assessment
- Strand 8: Cultural, Social, and Gender Issues
- Strand 9: Information and Communications Technologies in Science Education
- Strand 10: History, Philosophy, and Sociology of Science
- Strand 11: Environmental Education
- Strand 12: Innovation & Entrepreneurship in Science Education

Conference Strands:

| | |
|------------|---|
| Strand 1: | Science Learning: Understanding and Conceptual Change, Contexts, Characteristics and Interactions |
| Strand 2: | Science Learning in Informal Contexts: Science Communication & Science Centres |
| Strand 3: | Science Teaching: Characteristics and Strategies |
| Strand 4: | Critical Analysis of School Science Textbooks |
| Strand 5: | Pre-service Science Teacher Education |
| Strand 6: | In-service Science Teacher Education |
| Strand 7: | Curriculum Development, Evaluation, and Assessment |
| Strand 8: | Cultural, Social, and Gender Issues |
| Strand 9: | Information and Communications Technologies in Science Education |
| Strand 10: | History, Philosophy, and Sociology of Science |
| Strand 11: | Environmental Education |
| Strand 12: | Innovation & Entrepreneurship in Science Education |

For **further details** please contact the International Convenor at ben.akpan@icase2016.org

MEMBERS' UPDATE

Appointed

Mrs. Atosemi Teetito as Permanent Secretary, Ministry of Education, Rivers State.

Elected

Professor Ibrahim Danjuma and **Mr. Yelmi Yohanna** as Chairman and Secretary of Bauchi State Branch of STAN respectively.

Engr. Ozobowei Teibowei and **Mrs. Rosemary Koroye** as Chairman and Secretary of Bayelsa State Branch of STAN respectively.

Mr. Emmanuel C. Ofordu and **Mr. S.U.C. Okoro** as Chairman and Secretary of Bayelsa State Branch of STAN respectively.

Mr. Peter Onanuga and **Mr. Wole Ogundipe** as Chairman and Secretary of Ogun State Branch of STAN respectively.

New Baby

A boy to the family of **Alhaji Umaru Mohammed** (former General Secretary of STAN) on Tuesday, 21 April, 2015.

Wedded

Mr. Emmanuel Umunakwe (Senior ICT Technician of STAN) to Miss Florence Mbaegbu on Saturday 20 June, 2015 at 10a.m. At Mountain of Fire Ministries, Gwagwalada Abuja.

Pastor Harold Moses, former Vice President of STAN to Miss Happiness Rufus. Traditional Marriage took place on Saturday 27 June, 2015 at Nembe, Bayelsa while the Marriage blessing will take place at Greater Evangelism World Crusade, Swali, Yenagoa, Bayelsa State on Saturday, 11 July, 2015 at 10a.m.

Transition

Alhaji Mikailu Bature (Chair of Zamfara State Branch), passed on 5 January, 2015. He has since been buried according to Islamic rites.

Mrs. Florence Ukey, sister of Dr. Stella Iortim former National Treasurer of STAN passed on 8 February, 2015. Burial took place on 20 February, 2015.

Mr. Kelvin U. Okoro, a member of Kogi State Branch of STAN passed on Friday 20 February, 2015. Burial took place on 15 May, 2015 at Umuezeala, Ehime Mbano, Imo State.

Deaconess Esther Edet Inyang, mother of Professor Imo E. Umoinyang, the Chair of Research Committee of STAN passed on 2 April, 2015. The remains will be laid to rest on Wednesday 17 June 2015 after a funeral service at A.M.E Zion Church, Ikot Mbon Ikono, Uyo at 10a.m.

FOR SALE

| | |
|---|---|
| a. Conference Proceedings: 1982, 1983, 1984, 1985, 1990, 1991, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014 | N1,000 each N1,500 each N2,000 each |
| b. STAN Journal: 1974, 1977, 1978, 1979, 1981, 1982, 1983, 1984, 1985, 1986, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014 | N 700 each N 700 each N 1,000 each |
| c. STAN Position Paper Nos. 1-6 | N400 each |
| d. Overview | N100 each |
| e. Strategies for Environmental Education | |
| No. 1, 1997 | N400 each |
| No. 2, 1998, No. 3, 1999 | N600 each |
| No. 4, 2000, No. 5, 2001, No. 6, 2002, No. 7, 2003, No. 8, 2004, No. 9, 2005, No. 10, 2006, | N700 each |
| No. 11, 2007, No. 12, 2008, No. 13, 2009, No. 14, 2010 | N700 each |
| f. Fundamental of Science-Technology -Society | N600 each |
| g. Gender & STM Education Series 1 | N600 each |
| h. Gender & STM Education Series 2 | N700 each |
| i. Sticker | N50 each |
| j. Constitution | N100 each |
| k. MSTAN Form | N7,500 each |
| l. FSTAN Form | N25,000 each |
| m. Lapel pin | N500 each |
| n. Assessment Fee on JSTAN | N5,000 each |

Bank drafts made payable to 'STAN' at Abuja should be forwarded To:

Principal Administrative Officer
Science Teachers Association of Nigeria
The STAN Place, Kwali
P.M.B. 777
Garki
Abuja

MEMBERSHIP SUBSCRIPTION

| | N |
|--|---------------|
| 1. Associate Members | 800.= |
| 2. Full Members (MSTAN) | 1,300.= |
| 3. Fellows | 2,300.= |
| 4. Student Members | 600.= |
| 5. Primary Schools | 1,300.= |
| 6. Secondary Schools | 1,300.= |
| 7. Tertiary Institutions | 3,300.= |
| 8. Ministry/Parastatals | 3,300.= |
| 9. Publishers/Companies | 3,300.= |
| 10. Overseas Members | £20=/US\$45.= |
| 11. Life Members (once only) | 30,300.= |
| 12. Honorary Life Membership (non members) | 100,300.= |