

OPENING CEREMONY & PROGRAMME AT A GLANCE

DATE: Thursday 14th November 2013

8:00 am- 6 pm	Registration
8:30 am	Arrival of Conference Participants
9:50 am	Introduction of Special Guest of Honour
10:00 am	National Anthem
10:05 am	Opening Prayer
10:05- 10:15 am	Chairman's Opening Remarks by Engr. Mustapha Balarabe Shehu/ Co-Chairman Engr. Isaac Adekanye
10:10- 10:20 am	Welcome Address by Chair IEEE Nigeria Section by Engr. Prof. Gloria Chukwudebe
10:20- 10:30 am	Remarks to declare Conference Open by Special Guest of Honour, Mrs. Omobola Johnson, the Hon. Minister of Communication Technology
10:30 – 11:00 am	Sustainable Technology and Processes for Identity Management in Nigeria by Mr. Chris E. Onyemenam, NIMC DG
11:00- 11:30 am	National Information Systems and Network Security Standards by Director, Standards and Regulation, Mr. Inye Kemabonta, NITDA
11:30 – 12:00 noon	Electricity Market Development in Nigeria by Dr. Sam Amadi, NERC CEO
12:00 – 12:15 pm	The Use of Social Media for Business Promotion by Isodje A.A., CEO Netportal Ltd
12:15 – 12:30 pm	The Future of Computing and Evolutions of Neuromorphs by Prof. Ndubuisi Ekekwe
12:30 – 13:00 pm	Development of Engineering Standards and Regulation in Nigeria , by Engr. Kashim A. Ali, President, Council for Regulation of Engineering in Nigeria (COREN)
13:00 -13:20 pm	IEEE Nigeria Section Awards and Recognitions 2013
13:20 -13:30 pm	Remarks by Chief Host- Prof. C. C. Asiabaka, VC FUT0 Responses and Goodwill messages
13:30 – 13:40 pm	Special Remarks by his Excellency, Owelle Rochas Anayo Okorochoa
13:40 – 13:45 pm	Vote of Thanks by Chair Conference Planning Committee, Engr Tunde Saliyu
13:45 – 13:48 pm	Closing Prayer
13:48 – 13:50pm	National Anthem
13:50-13:55 pm	Opening of Exhibitions and Poster Presentations
14:00 – 15:00 pm	Lunch Break
15:00 – 17:30 pm	3 Concurrent Technical Sessions

<p>Professional Activities Workshop I Friday, 15th November 2013 (9.00am- 2:00pm)</p> <p>Chairman: Engr. Kehinde Temikotan, SMIEEE. Co-Chair: Engr. Raph Onoshakpor, SMIEEE.</p> <p>Rapporteurs: Mr. Abdullahi T.Sulaiman Dr. Mrs. Gloria Eze Dr. Felix Opara Engr. A. U. Affiah</p> <p>9.00am- 11:30am</p> <ol style="list-style-type: none"> Developing Tomorrow’s Leaders in Science and Technology - Engr Isaac Adekanye. Time Management- Engr. Sylvester Chiemeka. Modern Trends in Project Management – Engr Dominic Ugbor Presentation Essentials– Prof. Gloria Chukwudebe. Effective Communication for Engineering, Technology and Management- Prof. Ezendu Ariwa. <ul style="list-style-type: none"> Exercises, Q & A. <p>Tea Break (20 mins)</p> <p>12:00pm- 14:00pm</p> <ol style="list-style-type: none"> Management of Health, Safety and Environment - Mr. Deolu Okanlawon. Research Techniques, Publishing Best Practices and Patenting- Prof. Ndubuisi Ekekwe Scientific Research Techniques & Patenting - Prof Chyke Onyiagha Publishing without Plagiarism: A Self - Check Exercise - Dr Ifeyinwa Achumba. Embedded Mobile Computing Tutorial - Fasmicro <ul style="list-style-type: none"> Exercises, Q & A. 	<p>TISP WORKSHOP Friday, 15th November 2013 (9.00am- 4:00pm)</p> <p>Chairman: Engr. Tunde Salihu, SMIEEE. Co-Chair: Mr. Okey Nweke.</p> <ul style="list-style-type: none"> Opening Prayer Chairman’ Remarks <p>Presentations 9.00am- 11:30am</p> <ol style="list-style-type: none"> Components Introduction & Use of Breadboards – Engr. Sola Akinde Get Connected With Ohm's Law - Miss Maryleen Ndubuaku. Series and Parallel Circuits - Mr. Samuel Ukpa Electric Switches- Mr. Goddy Ekwue Flashlights and Batteries- Mr. Richard Opara & Mr. Gaylord Asoronye. <p>Tea Break (20 minutes).</p> <ul style="list-style-type: none"> Q & A, Hands-on Exercises. <ol style="list-style-type: none"> Presentation of Tryengineering.org and trycomputing .org websites- Mr. Chibuike Madubuike. Two Button Buzzer Circuit- Mr. Okey Nweke. Electric Motors: Principles And Everyday Uses- Engr. Ray Opara. <p>Lunch Break (14:00pm- 14:45pm)</p> <ol style="list-style-type: none"> Q & A & Hands-on Exercises. Closing Prayer Closing Remarks by Chairman. Group Photograph (4pm)
<p>Lunch Break (14:00pm- 14:45pm)</p>	
<p>Poster Presentations (14:45pm- 15:55pm)</p>	

TECHNICAL SESSION D Friday, 15 th November 2013 (3.00pm – 5.00pm)	TECHNICAL SESSION E Friday, 15 th November 2013 (3.00pm – 5.00pm)	TECHNICAL SESSION F Friday, 15 th November 2013 (3.00pm – 5.00pm)
<p>CHAIRMAN: Engr. Prof. S. O. E Ogbogu CO-CHAIRMAN: Engr. Mike A. Ezugwu</p> <p>Rapporteurs: Mr. Abiodun Odewale Engr. G. O. Ononiwu Engr. Ngozi Chigbundu Mr. Taofeek Bello Engr. Chijioke Joe-Uzuegbu</p> <ol style="list-style-type: none"> Cost Parity Assessment of a Solar PV Generator for a Commercial Bank in Makurdi, Nentawe Y. Goshwe, Afiagh Timothy and Ephraim Okafor, Dept of Electrical/Electronic Engineering, University of Agriculture, Makurdi and FUT Owerri. D.C Motor Speed Controller with a Digital Tachometer, Akinsami Olaitan and Ajayi Samuel T., Electrical & Computer Eng. ABU, Zaria. Using Reliability Analysis for Sustained Wind Farm Operation in Remote and Weak Transmission Areas, Jonathan O. Okoronkwo, Dept of Electrical and Computer Engineering, Ahmadu Bello University (ABU), Zaria. A Novel Data-Acquisition System For Improving Electric Power Distribution Planning, Z.A . Adetona, I.A. Adejumbi, M.A. Waheed and A.T. Akinwale, Dept of Electrical Engi., Fed Poly, Ilaro, Depts of Mech. Eng. & Electronics and Electrical Engi., Fed University of Agriculture, Abeokuta. 	<p>CHAIRMAN: Engr. Isaac Adekanye CO-CHAIRMAN: Engr. Paul Ogu</p> <p>Rapporteurs: Engr Ebipuado Saper-Obi Mr. Clement Chukwu Mr. Eze Peter U. Mr. Obanigba N. Eniola</p> <ol style="list-style-type: none"> Digital Television Broadcasting In Nigeria: How Feasible, Engr. Mrs. Uchenwa N. Ujam, Electrical / Electronic Eng., Institute of Management of Technology (IMT), Enugu. An Application of Fuzzy Logic Model in Solving Road Traffic Congestion, C. Ugwu and Bale Dennis, Dept of Computer Science, University of Port Harcourt, Dept of Computer Science, Rivers State Polytechnic, Bori, Nigeria E-MART_A Novel Smart Home Governance System for a Densely Populated Power Challenged Environment, Mbonu Ekene S, Okafor Kennedy C., Uzedhe Godwin O.and Ezekwe Chinwe G, Electronics Development Institute Awka, (NASENI). Bounds of Fuzzy Controller Output Scaling Gains for Stabilization of a Dissipative Chaotic System, Edwin A. Umoh, Dept of Electrical Eng.Tech. Federal Polytechnic, Kaura Namoda. 	<p>CHAIRMAN: Prof. S. A. Adekola CO-CHAIRMAN: Dr. E. B. Ojeba</p> <p>Rapporteurs: Engr. Dr. N. Chukwuchekwa Engr. Lamidi Owuda Mrs. Ehinomen Atimati Engr. Lawrence O. Agboola</p> <ol style="list-style-type: none"> Analytical Assessment Of Comparative Advantage Of Deploying Information Technology For The Election Process in Nigeria, Ekwonwune Emmanuel, Nwabueze, Dominic Edebatu and Anyiam Chukwuma, Dept of Computer Science, Imo State University, Dept of Computer Science, Nnamdi Azikiwe University, Awka, & Dept of Computer Science, Imo State Polytechnic, Umuagwo. An Improved Scheme For Minimising Handoff Failure Due To Poor Signal Quality, Uduak Idio, Constance Kalu, Simeon Ozuomba and Akaninyene Obot, Dept of Elect/Elect and Computer Eng, University of Uyo. Optimizing the Efficiency of Fiber-Optics Technology in Telecommunications Systems. J. N. Dike and D. A. Ogbe, Dept of Electrical/Electronic Engineering, University of Port Harcourt. Dispersion Management in a Single-Mode Optical Fiber Communication System Using Dispersion Compensating Fiber, S. H. Lawan and M. Ajiya, Dept of Electrical Engineering, Bayero University, Kano-Nigeria.

TECHNICAL SESSION G Saturday, 16 th November 2013 (9.00am – 11.00am)	TECHNICAL SESSION H Saturday, 16 th November 2013 (9.00am – 11.00am)	TECHNICAL SESSION I Saturday, 16 th November 2013 (9.00am – 11.00am)
<p>CHAIRMAN: Prof. Ndubuisi Ekekwe CO-CHAIRMAN: Engr. Austyne Duru</p> <p>Rapporteurs: Rev. Engr. B. C. Agwah Engr. Asogwa, Jude C Mr. Ohong Uko Mr. Silas Omugbe</p> <ol style="list-style-type: none"> Reconfiguration Approaches in Wireless Sensor Network Issues and Challenges, Emmanuel Eronu, Sanjay Misra and Musa Aibinu, Dept of Computer Engineering, School of Information and Communication Technology, FUT Minna, Niger State & Dept of Communication Engineering, School of Information and Communication Technology, FUT Minna. Towards The Achievement Of Adequate Consumer Integration In The Nigerian Grid-The Smart Grid Approach, Onuekwusi Nnaemeka C., Chukwudebe, Gloria .A. and Ononiwu, Gordon C., Dept of Elect/Elect Eng., FUT Owerri.. Wireless Sensor Networks for Remote Healthcare Monitoring in Nigeria: Challenges and Way Forward, Hassan N. M, Olaniyi O. M., Ahmed A and Dogo E. M., Dept of Computer Engineering, FUT Minna. Implementation and Performance Analysis of Classical Cipher-based algorithms, Olubola Kehinde Egunsola and Abel Adeyemi Ajibessin, Dept. of Computer Science and Dept. of Telecommunication, American University of Nigeria, Yola. 	<p>CHAIRMAN: Prof. Y. A. Adediran. CO-CHAIRMAN: Engr. Nweike Onwuyali</p> <p>Rapporteurs: Engr. Chris Nwabueze Mr .Abdullateef Aliyu Mr. Nkom Balarabe Mr. Simeon Ozuomba</p> <ol style="list-style-type: none"> Biometric-based Attendance System with Remote Real-time Monitoring for Tertiary Institutions in Developing Countries, Eze Peter U., Joe-Uzegbu C. K. A, Laz Uzoechi, Opara F.K The Effect of Dielectric Constant on the Design of Rectangular Microstrip Antenna, Atser A. Roy, Joseph M. Môm and Douglas T. Kureve, Dept. of Physics, University of Agriculture, Makurdi, Nigeria & Dept. of Electrical and Electronics Engineering, University of Agriculture, Makurdi, Nigeria. Switched Local Area Networks_Bit_Carrying Capacity Determination, Monday Eyinagho, Dept of Electrical and Information Engineering, Covenant University, Ota, Nigeria E_Business Solutions For Improved Educational Delivery, G. N. Ezeh, C. K. Agubor and R. O. Opara, Dept. of Electrical and Electronic Engineering, FUT Owerri, Imo State, Nigeria. 	<p>CHAIRMAN: Dr. E. Umoren CO-CHAIRMAN: Dr. Damian Dike</p> <p>Rapporteurs: Engr. John Funso-Adebayo Engr. Emeka O. Okorie Engr. Israel Abraham Engr. Chijioke Joe-Uzegbu</p> <ol style="list-style-type: none"> Maintenance Precepts for Efficient Electricity Infrastructure in Sub-Saharan Africa, Raphael M. Onoshakpor, Electrical and Power Engineering Dept, Rivers State University of Science and Technology, Port Harcourt. Power Distribution Problems on 11 kV Feeder Networks in Akure Urban Load Environment, A.O. Melodi and P.T. Ogunboyo, Electrical and Electronic Engineering Dept, FUTA, Akure, Ondo State, Nigeria Matrix Converter Control Incorporated in Induction Motor Drives-An Overview, Kenneth E. Okedu and Roland Uhumwagho, Dept of Electrical and Electronic Engineering, University of Port Harcourt. Neuro-Fuzzy control of Power Plant -A Case Study of Savannah Sugar Power Plant in North-Eastern Nigeria, J. M. Gumpy and J. D. Jiya, Dept of Mathematical Sciences, Adamawa State University (ADSU), Mubi, Electrical and Electronics Eng., Abubakar Tafawa Balewa University (ATBU), Bauchi.
TEA BREAK 20 MINUTES		

<p>TECHNICAL SESSION J Saturday, 16th November 2013 (11.30am – 13.30pm)</p> <p>CHAIRMAN: Dr. Dikio Idoniboyeobu CO-CHAIRMAN: Mr. Ahmed Opeifa</p> <p>Rapporteurs: Dr. Mrs Ify Achumba Engr Otuene Otunte Engr. U. S. Michael Engr. Ignatius Onyeje</p> <ol style="list-style-type: none"> SMS Controlled Digital Display System. Ogbu S. Ukpa, Chrysantus C. Onwuamana, Nnaemeka K. Okpala, G. A. Chukwudebe and Ifeyinwa E. Achumba, Dept of Electrical and Electronic Engineering, FUT Owerri. Self Diagnostic System for Predictive Maintenance of Traffic Light Control System, Mbonu Ekene S., Ndinechi Micheal C., Okafor Kennedy C., and Ezekwe Chinwe Geneva, Electronics Development Institute Awka, Towards an Iterative Maintainability Web Service Model for Effective Mobile Healthcare Delivery, Engr. Adeoye Olamide Olayinka, Prof. Misra Sanjay, Engr. Olaniyi O.Mikail and Engr. Ahmed Aliyu, Dept of Computer Engineering, FUT Minna, Niger State, Nigeria. 	<p>TECHNICAL SESSION K Saturday, 16th November 2013 (11.30am – 13.30pm)</p> <p>CHAIRMAN: Prof. O. I. Okoro CO-CHAIRMAN: Engr. Dr. S. O. E. Obe</p> <p>Rapporteurs: Mr. Nnaemeka Onuekwusi Mr. Olalekan Akindele Engr. Ray Opara Engr. Emeka O. Okorie</p> <ol style="list-style-type: none"> Viability Analysis of a PV-Hydro-Diesel Hybrid Renewable Energy System for Katsira Village in Sokoto State Using Homer Software Application, M. A. Yusuf, A. S Mindaudu, I. G. Saidu, I. B. Shehu. Dept.of Elect. Engr. & Physics, Sokoto State Polytechnic. Sokoto & Nuhu Bamalli Polytechnic, Zaria. Electricity Access in Sub-Saharan Africa– Case for Renewable Energy Sources Microgrid, O. M. Longe, F.I. Oluwajobi and F. Omowole, Dept of Electrical & Electronics Engineering Technology, Rufus Giwa Polytechnic, Owo. Single Switch Forward Converter, G.C. Emelogu and A.G. Raji, Eng. and Maintenance Dept, Institute for Peace & Conflict Resolution, Abuja, Electrical Engineering Dept, FUT, Minna. 	<p>TECHNICAL SESSION L Saturday, 16th November 2013 (11.30am – 13.30pm)</p> <p>CHAIRMAN: Engr. Austin Okeke CO-CHAIRMAN: Engr. Kinsgley Okonkwo</p> <p>Rapporteurs: Engr. Edward Obokoh Mrs. Ehinomen Atimati Mr. Diepiriye W.Ayerite Engr. Uchenna H. Diala</p> <ol style="list-style-type: none"> Minimization of Call Congestion in Nigerian Telecommunication System Using OFDM Optimization Model, D. O. Dike, C. U. Iroh, G. N. Ezeh, B. C. Dike, N. Chukwuchekwa and M. C. Ndinechi, Dept of Electrical and Electronic Engineering, FUT Owerri, Imo State, Nigeria. Review of PID Control Algorithm and its Efficacy in Simulated Laboratory Conditions, Abubakar Sadiq Bappah, AbubakarTafawa Balewa University, Bauchi, Application of Neural Network to Electrostatic Fields Distribution Pattern_A Case Study, O. Akinsanmi and Ekundayo K.R., Dept. of Electrical and Computer Engineering, Ahmadu Bello University, Zaria, Nigeria
<p>LUNCH 50 MINUTES</p>		
<p>POSTER PRESENTATION</p>		

<p>TECHNICAL SESSION M Saturday, 16th November 2013 (3.00pm – 5.00pm) CHAIRMAN: Prof. E. N. C. Okafor CO-CHAIRMAN: Engr. Julius Aguni</p> <p>Rapporteurs: Engr. I. F. Ezebili Dr. Fabian Izuegbunam Mr. Onikoyi Lateef Adio Engr. M. O. Oyewole</p> <ol style="list-style-type: none"> Evaluation Of The Transient Response Of A Separately Excited DC Motor Under No-Load Condition, I.M. Oise, U. H. Diala, G. N. Ezeh and R. Opara, Dept. of Electrical/Electronic Engineering, FUT, Owerri. Chaos Control of the Complex Rabinovich System via Takagi-Sugeno Fuzzy Controller, Edwin A. Umoh, Dept of Electrical Engineering Technology, Federal Polytechnic, Kaura Namoda. Characteristic Behaviour of A.C. Electrical Machines for Wind Energy Conversion System, Funso K. Ariyo, Michael M. Omoigui, Department of Electronic and Electrical Engineering, Obafemi Awolowo University, Ile-Ife. Effect of Static VAR Compensator Positioning on a Grid-Connected Wind Turbine-Driven Squirrel Cage Induction Generator, Waheed A. Oyekanmi, Ghadir Radman, Adeniyi A. Babalola and Lazarus O. Uzoechi, Dept of Electrical and Computer Engineering, Tennessee Technological University, USA., and Dept of Electrical/Electronic Engineering, FUT Owerri. 	<p>TECHNICAL SESSION N Saturday, 16th November 2013 (3.00pm – 5.00pm) CHAIRMAN: Prof. O. Osuagwu CO-CHAIRMAN: Mr. Ahmed Opeifa</p> <p>Rapporteurs: Dr. Nicholas A. Omoregbe Mrs. Uchechi C. Iwuchukwu Mr. Onikoyi Lateef Adio Mr. Samuel Egere</p> <ol style="list-style-type: none"> Low Complexity FPGA Implementation of Register Exchange Based Viterbi Decoder, Abdulrazaq Muhammad B., Abdullahi Zanna M., Almustapha Mohammed D, Dajab Danjuma D., Department of Electrical and Computer Engineering, Ahmadu Bello University Zaria. Low Cost Ground Test Equipment for Atmospheric Rocket Flights Using Embedded Systems, O. O. Babayomi, C. A. Osheku, M. A. L. Adetoro, A. Okon, and A. O. Opasina, National Space Research and Development Agency (NASRDA), Federal Ministry of Science and Technology, Abuja. Switch Mode-Based Constant Voltage Battery Charger for New Generation Motor Vehicles, O.E. Osinowo, A. G. Raji., Nigeria Television Authority, Abuja & Federal University of Technology, Minna, BER Performance of OFDM System with Different Modulation Schemes and Varying Length of Guard Interval. Adewuyi O., Ogunti O., Lawal W. Department of Electrical/Electronic Engineering, Federal University of Technology Akure, Rufus Giwa Polytechnics Owo, Ondo State. 	<p>TECHNICAL SESSION O Saturday, 16th November 2013 (3.00pm – 5.00pm) CHAIRMAN: Dr Kingsley Ukaoha CO-CHAIRMAN: Engr. Femi Olaniyan</p> <p>Rapporteurs: Dr. Samuel Ndueso John Engr. Yanusa Isa Engr. S. O. Akinde Mr. Abdullateef Aliyu</p> <ol style="list-style-type: none"> A Crime Suspect Identification System Based On Footprints, Adetunmbi A.O and Osisanwo F.Y, Computer Science Dept., FUT Akure. and Computer Science Dept., Babcock University. Context Management Strategies In Wireless Network, Giadom Vigale Leelanubari and Williams Edem E., Dept of Computer Science, University of Port Harcourt, Rivers State, Nigeri and, Dept. of Computer Science, University of Calabar, Nigeria. A Bifunctional Workbench for Anopheles gambiae Micro Array Analysis, Marion Adebiyi, Oghuan Josiah, Segun Fatumo, Ezekiel Adebiyi, Jason Rasgon, Computer & Information Sciences Dept, Covenant University, Entomology Dept, Center for Infectious Disease Dynamics, Pennsylvania State University Mobile Number Portability in Nigeria-Pros and Cons, Odii Juliet Nnenna and Nwokorie Euphemia Chioma, Dept of Computer Science, FUT Owerri.
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