



12TH ANNUAL NAAE/IAEE INTERNATIONAL CONFERENCE

PTDF CONFERENCE CENTER, ABUJA, NIGERIA, 14-16 APRIL 2019

PROGRAMME

THEME: ENERGY EFFICIENCY AND ACCESS IMPERATIVES FOR SUSTAINABLE DEVELOPMENT IN EMERGING ECONOMIES

SUNDAY 14 APRIL 2019

15:00 - 19:00 - **Council Meeting**

14:00 – 18:00 - **Registration**

18:00 - 20:00 - **Happy Hours (Student Members Only)**

19:00 - 22:00 – **Council Dinner (By Invitation Only)**

MONDAY 15 APRIL 2019

08:00 – 17:00 **REGISTRATION**

09:00 – 10:30 **NAEE STUDENT PAPER COMPETITION**

Venue:

Presiding: Professor Adeola Adenikinju

Speakers:

PHD STUDENT

ASOGWA IKECHUKWU S. & CHARLES NNAMDI A. (Michael Okpara University of Agriculture, Umudike)

Responsiveness of Industrial Growth to the Energy Transition Patterns and Time Path Implication in Sub-Sahara Africa.

OKEH PIUS EGBUNU (Centre for Petroleum, Energy Economics & Law, Ibadan)

Resolving Natural Gas Infrastructural Deficit in Nigerian through the Third Access Policy (TPA).

ONYIJE I.J. & FUBARA, S. A. (Emerald Energy Institute, Port Harcourt)

Assessment of Institutional Development and Good Governance on the Petroleum Sector: Lessons for Emerging West African oil Producers.

ALEXANDER OLATUNDE AKOLO (Nigerian Bulk Electricity Trading Plc. Abuja)
Standardized Risk Management Procedure: A Case for a 20kw Biogas Mini-Grid Project At
Kuje, Abuja Fct, Nigeria

BOURICHE NOURIA & BENBOUZIANE MOHAMED (Centre for Petroleum, Energy Economics
& Law, Ibadan)
Oil Rents and Income Inequality: A Comparative Study between Algeria Nigeria and Norway.

MSC STUDENT

OLUWATOSIN AREMU
Renewable Energy Infrastructure Development in Nigeria: Jumpstart with a Public-Private
Partnership Model

ABDULRASHEED ISAH (Department of Economics, Nile University of Nigeria, Abuja)
A Tale of Two Countries: Financing Renewable Energy in Nigeria and Brazil.

AKINWALE OLATUNJI AKINLABI (Centre for Petroleum, Energy Economics and Law,
University of Ibadan)
Arbitration and Access to Justice with Reference to Disputes between Electricity Suppliers
and Consumers in Nigeria.

10:30 – 11:00 **Tea Break/Networking**

11:00 – 12:00 **OPENING CEREMONY**

Chairman& Keynote Speaker: Professor James A. Momoh, Nigerian Electricity Regulatory
Commission

Chief Host: Dr. Bello A. Gusau, Executive Secretary, Petroleum Technology Development
Fund, Abuja.

Grand Patron: Engr. Funsho M. Kupolokun (Director, First Ally Capital Limited)

Special Guest of Honor: Dr. Mukati Baru, GMD, Nigerian National Petroleum Corporation,
Abuja

Guests of Honor/Sponsors:

Dr. Timothy Okon, Special Technical Adviser, Fiscals, Ministry of Petroleum Resources, NNPC
Engr. Ernest Mupwaya, Chief Executive Officer, Abuja Electricity Distribution Company
Dr. Folasade Yemi-Esan, Permanent Secretary, Ministry of Petroleum Resources
Abdulkadir U. Saidu, Executive Secretary, Petroleum Products Pricing Regulatory Agency
Prof. Yinka Omoroghe, Attorney General & Commissioner for Justice, Ministry of Justice, Edo
State.

Mr. Osten Olorunsola, Chairman, Energy Institute of Nigeria
Engr Louis Edozien, Permanent Secretary, Ministry of Power

Votes of Thanks: *Professor Uche Nwogwugwu, PhD, VP, Conference & Publication, NAEF*

12:00 - 13:30

Opening Plenary Session -- Energy Access & Efficiency Imperatives for Emerging Economies

Moderator: Dr. Hassan Mahmud, Central Bank of Nigeria
Keynote Speaker: Prof. James A. Momoh, Nigerian Electricity Regulatory Commission
Panelists: Engr. Bello Rabi, Nigerian National Petroleum Corporation, Upstream
Prof. Eli Bala, Director General/CEO, Energy Commission of Nigeria
Dr. Joe Essandoh-Yeddu, Energy Commission, Ghana
Mrs. Audry Joe-Ezigbo, President Nigeria Gas Association

MONDAY 15 APRIL 2019

13:30 – 14:30 **LUNCH BREAK (Sponsors Remarks)**

14:30 – 16:00 **CONCURRENT SESSIONS: 1 - 3**

1. ENERGY SUPPLY MIX AND ECONOMIC DIVERSIFICATIONS

Venue:

Presiding: Mrs. Folashade Oje, Federal Ministry of Power

Speakers:

UCHE M. OZUGHALU (Department of Economics, University Of Nigeria, Nsukka)

An Examination of the Causal Relationship among Electricity Consumption, Financial Development, Unemployment and Real Income in Nigeria.

OPEYEMI A. AMUSAN (Center for Petroleum, Energy Economics & Law, University of Ibadan/
Amiesol Resources Konsult / ERK GMBH, Germany)

Engineering the Energy Transition with WTE-System that Links the Environment, Economic and Social Components of Sustainable Development Goals.

B. A. WAHAB & L.N. CHETE (Nigerian Institute of Social and Economic Research, Ibadan)
Energy Mix and Economic Diversification in Nigeria.

OLURE-BANK, ADEYINKA, M. FADILA, KABIR BODAM F. (Department of Economic, Nigeria
Defence Academy, Kaduna)

Energy Efficiency and Economic Growth in Nigeria: Time Series Data Analysis.

OKOLI CHINWEIKE C., UHUNMWANGHO ROLAND, OGBUEFI UCHE & SALIHU RUFAl
(Department of Electrical Engineering, University of Nigeria, Nsukka)

Tidal Energy: An Option for Nigeria Energy Supply Mix and Economic Diversification.

2. ENERGY DEMAND AND SUPPLY OUTLOOK FOR EMERGING ECONOMIES IN AFRICA

Venue:

Presiding: Mrs. Priscillia Ekpe, Petroleum Products Pricing Regulatory Agency, Abuja

Speakers:

MICHAEL O. DIOHA & ATUL KUMAR (Department of Energy & Environment, Teri School of
Advanced Studies, Vasant Kunj, New Delhi, India)

Residential Energy Transition Scenarios for Nigeria: A Times Model Application.

OMOLOLA S OLARINDE & ADENIRAN ABRAHAM (Department of Economics, Elizade University, Ilara-Mokin, Ondo State)
Rural-Urban Migration and Energy Access in Nigeria.

TERHEMEN AGABO & OLUMIDE ONIKETUN (Department of Economics, University of Ibadan)
An Analysis of Hydroelectric Power Consumption in Selected Emerging Economies.

OJONUGWA USMAN, OLANIPEKUN, IFEDOLAPO O. & EDAFE OLUWATOSIN (Department of Economics, Eastern Mediterranean University, Gazimagusa North Cyprus)
Modelling Food and Non-food Production in India: The Effects of Oil Price Using Bayer-Hanck Combined Cointegration Approach.

3. ROLE OF ENERGY EFFICIENCY IN SUSTAINABLE ENERGY MARKETS

Venue:

Presiding: Dr. Ben Obi, Economics Department, University of Abuja

Speakers:

KOLAWOLE FAYEMI (Centre for Petroleum, Energy Economics and Law University of Ibadan)
Energy Efficiency as a Key Driver for Economic Growth and Environmental Sustainability in the Telecommunications Sector in Nigeria.

PATRICIA IYORE AJAYI (Department of Economics, University of Ibadan)
Impact of Energy Poverty on Household Well-Being in Nigeria

CHIDEBERE AKAOGU, ASOMUGHA IFECHUKWU, OGECHI ANOZIE, CHUKWUNONSO EKESIOBI & ANNE MADUKA (Policy Analysis And Research Congress (PARC), Chukwuemeka Odumegwuojukwu University)
Energy Saving Behaviour Adoption among Tertiary Level Students in Anambra State.

BABAJIDE A. AJAYI (Faculty of Social and Management Sciences, Anchor University, Lagos)
Energy Efficiency and Energy End Users in Nigeria: Possible Causes for Low Patronage in Rural Communities.

16:00 - 17:30

CONCURRENT SESSIONS: 4 - 6

4. ENVIRONMENTAL IMPLICATIONS AND CHALLENGES

Venue:

Presiding: Dr. Joseph Omojolaibi, University of Lagos

Speakers:

ECHETA, DESMOND O., NWOSU CHINEDU A. & UKWUNNA JOSEPH C. (Department of Banking and Finance Imo State Polytechnic, Umuagwo)
Impact of Anthropogenic Global Warming on Agricultural Productivity in Nigeria.

JUDE O. CHUKWU, CHIBUEZE E. NNAJI, ELEANYA K. NDUKA & NDUBUISI O. CHUKWU (Department of Economics, University of Nigeria, Nsukka)
Effects of FDI, FSD and Energy Innovations on Environmental Quality in Nigeria.

LOUIS N. CHETE (Nigerian Institute of Social and Economic Research, Ibadan)
Climate Change Effects on Energy Use and Food Production by Smallholder Farmers in Nigeria.

5. PETROLEUM ECONOMICS AND POLICY RESEARCH

Venue:

Presiding: Mr. Lanre Oladele, Petroleum Products Pricing Regulatory Agency, Abuja

Speakers:

SAM O. OLOFIN, TIRIMISIYU F. OLOKO, KAZEEM O. ISAH & AHAMUEFULA, E. OGBONNA
(Centre for Econometric and Allied Research, University of Ibadan)

Crude Oil Price- Shale Oil Production Nexus: A Predictability Analysis.

OLORUNSHOLA JOB ABIODUN (Jobade Academy, Ikorodu, Lagos)

Recent Crude Oil Price Volatility and the Nigerian Petroleum Industry.

AWOLAJA OLADAPO GBENGA & MUSA DASAUKI (Babcock University Ilishan Remo, Ogun State)

Oil Price Shocks and Stock Prices in Nigeria.

AUWAL UMAR (Department of Economics, Abu Business School, Ahmadu Bello University)

Oil Price Trends, Theoretical Predictions and Determinants: Estimation and Hypothesis Testing.

6. IMPLEMENTATION OF THE GAS-TO-POWER PROJECT

Venue:

Presiding: Dr. Ali Garba, Ministry of Petroleum Resources, Abuja

Speakers:

BIOSE HENRY ODIKA (Emerald Energy Institute, University of Port Harcourt)

Gas Pipelines in Nigeria: Issues and Prospects.

JOHNSON AWOYOMI (Nigerian National Petroleum Corporation, Abuja)

Maximizing Government Take from Oil Sector – Cost Engineering Perspectives.

MOHAMMED A BELLO, YETUNDE A. OMOTOSHO & LATEEF O. AKINPELU (Business Education Department, Federal College of Education Pankshin, Plateau State)

Assessment of Profitability and Impact of Risked Variables on The Viability of Ajaokuta-Kaduna-Kano Gas Pipeline.

19:00 – 21:30 **NAEE AWARD DINNER**

CHAIRMAN: Dr. Aliyu Bello Gusau, Executive Secretary, Petroleum Technology Development Fund, Abuja.

DINNER REMARK: Engr. Funsho M. Kupolokun, Director, First Ally Capital Limited.

TUESDAY 16 APRIL, 2019

08:00 - 17:00--Registration

08:30 – 10:00 **CONCURRENT SESSIONS 7 – 9**

7. ELECTRICITY MARKET DEVELOPMENT AND REFORMS I

Venue:

Presiding: Salisu Isihaka, Nigerian National Petroleum Corporation, Abuja

Speakers:

ADEYEMI JOSEPH OLUSOLA (Development Programme Consultancy, Lake Chad Crescent, Maitama, Abuja)

Electricity Market Development and Reforms: The Nigeria Experience.

EFFIONG CHARLES & EKPE OTO-OBONG (Department of Economics, University of Calabar, Calabar, Cross River State)

Rural Electrification, Finance and the Developmental State.

KUN LI & XINTING ZHEN (Beijing Normal University, China)

Electricity Market Pricing and Regional Innovation.

EMILOLA OLANREWAJU & OLUMUYIWA OLANREWAJU (Department of Agricultural Economics, University of Ibadan)

Rural Electrification and Microenterprises Profitability among Rural Women in Odeda Local Government Area (LGA) of Ogun State, Nigeria.

8. RENEWABLE ENERGY DEVELOPMENT PATTERNS

Venue:

Presiding: Patricia Iyore Ajayi, Department of Economics, University of Ibadan

Speakers:

NWABUEZE GIFT C. (Emerald Energy Institute, University of Port Harcourt)

Enhancing Renewable Energy Penetration in Nigerian Energy Sector Using Support Schemes: A Case Study Of Germany And Denmark.

D. O OTOKPA, P. E UGWUOKE, OGBOLE CLEMENT & H. I ZARMA (Department of Physics and Astronomy, University of Nigeria, Nsukka)

Installation and Utilization of Solar Wind Hybrid System Technology for Self Reliance and Sustainable Development in Nigeria.

OLUTOSIN A. OGUNLEYE, CHUKS J. DIJI, OLAYINKA S. OHUNAKIN (Centre for Petroleum Energy Economics and Law, University of Ibadan)

Techno-Economic and Investment Potential of Concentrated Solar Power Projects in Borno State Nigeria.

SALISU MUKHTAR & SALISU ISIHAK (International Institute of Petroleum Energy Law & Policy, University of Port Harcourt)

Renewable Energy Investments By NOCs For Improving Energy Access - What are the Lessons for Nigerian National Petroleum Corporations?

9. ENERGY CONSUMPTION AND ACCESS FOR POVERTY REDUCTION

Venue:

Presiding: Dr. Uche C. Nwogwugwu, Nnamdi Azikiwe University, Awka

Speakers:

YUNUS ABIODUN AKINTUNDE (Centre for Petroleum, Energy Economics and Law, University of Ibadan)

Renewables, Rural Electrification and Energy Access for Energy Poverty Reduction in Nigeria.

KINGSLEY NWANKWO, IFECHUKWU OBIALOR, CHIDERA OKOROJI, BRUNO IBEKILO & MGBEMENA EMILIA (Policy Analysis and Research Congress (PARC), Chukwuemeka Odumegwu Ojukwu University.

Electricity Consumption and Poverty Level in Nigeria.

E. J. BALA, ROSELINE KELA & SULU B. F. IBRAHIM (Energy Commission of Nigeria)

In Search of Sustainable Household Energy: A Case Study of Fuelwood Consumption Survey in the Abuja Federal Capital Territory.

10:00 – 11:30

CONCURRENT SESSIONS 10 – 12

10. ELECTRICITY ECONOMICS

Venue:

Presiding: Fubara Susan. A., Emerald Energy Institute, Port Harcourt

Speakers:

OBAFEMI MICHAEL OJO (Centre for Petroleum, Energy Economics and Law, University of Ibadan)

Determinants of Electricity Theft: Evidence from Nigeria.

UCHE M. OZUGHALU & UCHE C. OGBUEFI (Department of Economics, University of Nigeria, Nsukka)

The Relationship among Electricity Consumption, Foreign Direct Investment and Aggregate Economic Activity in Nigeria: Evidence from Estimates of a Trivariate Causality Model.

EMMANUEL PRECIOUS, MADUBUIKE CHINENYE, EZEORAH CHISOM, OGOONNA IFEBI, OKAFOR SAMSON & DAVID CHUKWUEMEKA (Policy Analysis and Research Congress (PARC), Chukwuemeka Odumegwu Ojukwu University)

Electricity Access and Unemployment Incidence in Nigeria.

SANUSI GBENGA PETER & FOLARIN ESTHER (Anchor University, Lagos)

Modelling and Forecasting of Electricity Production and Carbon Dioxide Emissions in Sub-Saharan Africa: Autoregressive Integrated Moving Average (ARIMA) Models Approach.

11. RENEWABLE ENERGY AWARENESS AND IMPACT ASSESSMENT

Venue:

Presiding: Aliyu Barde Abdullahi, Nigerian National Petroleum Corporation

Speakers:

UCHE C. OGBUEFI, OTI E. STEPHEN & MUNCHO J. MBUNWE (Department of Electrical Engineering University of Nigeria, Nsukka)

Renewable Energy Assessment Potentials In Developing Country.

NURA ALIYU KABUGA & ALIYU YUSUF AHMAD (Department of Economics, Baze University, Abuja)

Assessing the Public Perception and Acceptance of Renewable Energy Technology in Kaduna Metropolis, Nigeria.

PAUL TERHEMBA IOREMBER & OJONUGWA USMAN (Department of Economics, University of Jos)

Modelling the Asymmetric Impact of Renewable Energy Consumption and Trade Openness on Environmental Quality in Nigeria.

JOSEPH A. OMOJOLAIBI & OYENIRAN I. WASIU (Department of Economics, University of Lagos, Akoka, Lagos)

Determinants of Households Willingness to Adopt Efficient Cooking Energy in Lagos State: Does Energy Literacy Matter?

12. GEOPOLITICS OF PETROLEUM RESOURCES, SUPPLY & POLICY FOR SUSTAINABLE DEVELOPMENT

Venue:

Presiding: Dr. Olayinka Adenikinju, Bowen University, Iwo, Osun state.

Speakers:

FADEYI, AYOOLA IDRIS (Centre for Petroleum, Energy Economics and Law, University of Ibadan)

An Economic Analysis of Nigeria Oil & Gas Fiscal Regime.

LAWAL ADEDOYIN I., ASALEYE ABIOLA J., POPOOLA OLABISI R. (Landmark University, Omu Aran)

Examining Rational Bubbles in Oil Prices: Evidence from Frequency Domain Estimates.

EMMANUEL AGIAYE & ADEOLA ADENIKINJU (Emerald Energy Institute, University of Port Harcourt)

Macroeconomic and Distributional Impact of Gas Monetization Policy in Nigeria.

11:30 - 12:00--Tea Break/Networking

12:00 - 13:30: **CLOSING PLENARY SESSION**

ENERGY SUPPLY DYNAMICS & STRATEGY FOR SUSTAINABLE DEVELOPMENT

MODERATOR: Dr. Tony Akah, Nigerian Electricity Regulatory Commission

LEAD SPEAKER: Prof. Yinka Omorogbe, Attorney General & Commissioner for Justice, Ministry of Justice, Edo State.

PANELISTS: Engr. Saidu Mohammad, Nigerian National Petroleum Corporation, Abuja

Prof. Chidi Ibe, Nigerian Association for Energy Economics Fellow
Engr. Ernest Mupwaya, CEO, Abuja Electricity Distribution Company
Chiedu Ugbo, CEO, Niger Delta Power Holding Company, Abuja

13:30 – 14:30 **LUNCH BREAK**

14:30 – 16:00 **CONCURRENT SESSIONS 13 – 15**

13. ENERGY FINANCE AND INVESTMENT ANALYSIS

Venue:

Presiding: Dr. Hassan Mahmud, Central Bank of Nigeria, Abuja

Speakers:

J. S. OLAYANDE, A. H. ISA, J. AGBA & A. A. ABDULLAHI (Energy Commission of Nigeria, Abuja)
Energy Investment Risk Analysis for Nigeria Energy Planning and Analysis Department.

ADEOLA ADENIKINJU & ALLEN-AMERI JESSIE D. (Centre for Petroleum, Energy Economics and Law, University of Ibadan)

An Overview and Evaluation of Upstream Petroleum Fiscal Regimes of Leading African Producers.

KAASE GBAKON, OMOWUMI ILEDARE & SUSAN FUBARA (Emerald Energy Institute)
Nigeria Petroleum Industry Fiscal Bill 2018: Implications for Onshore Oil and Gas Development Value and Investor Confidence.

HARRISON O. OKAFOR (International Monetary Fund, Abuja)

Understanding Energy Issues and Constraints to the Socio-Economic Development Transition Process of Nigeria Economist.

14. ELECTRICITY SECTOR DEVELOPMENT

Venue:

Presiding: Prof. Akin Iwayemi, Centre for Petroleum, Energy Economics and Law, Ibadan

Speakers:

JEAN BALOUGA (University of Lagos)

Is the Nigerian Government Policy on Off-Grid Solar Power Headed Towards the 'Right Direction'?

IYABO ADEOLA OLANRELE & FEMI OMISANJO (Economics and Business Policy Research Department, Nigerian Institute of Social and Economic Research)

Determinants of Electricity Generation in Nigeria.

ONYEUCHE EMMANUEL IKECHUKWU (Centre for Petroleum, Energy Economics and Law, University of Ibadan)

Quality of Electricity Supply, Willingness to Pay and Household Welfare in Nigeria.

15. ELECTRICITY MARKET DEVELOPMENT AND REFORMS II

Venue:

Presiding: Dr. Obindah Gershon, Covenant University, Canaan Land Ota.

Speakers:

TIJANI NURUDEEN AHMED & AUWAL UMAR (Department of Economics, Ahmadu Bello University, Samaru – Zaria, Kaduna State)

Electricity Consumption and Industrial Productivity in Nigeria

SALISU ISIHAKA, UDUAK AKPAN & SANUSI OHIARE (Rural Electrification Agency, Abuja)
Rural Household Electricity Demand for Electricity Access Planning in Nigeria: Result of a Survey

ONYIJE, I. J., ONUOHA, N. I. NWAUZUZU, C. & IBE, C. (Emerald Energy Institute, University of Port Harcourt)

Access To Electricity: A Precursor to Sustainable Development

16:30 - 18:00

ANNUAL GENERAL MEETING