



AAPG

Africa Region

ANNUAL REPORT

2015-2016

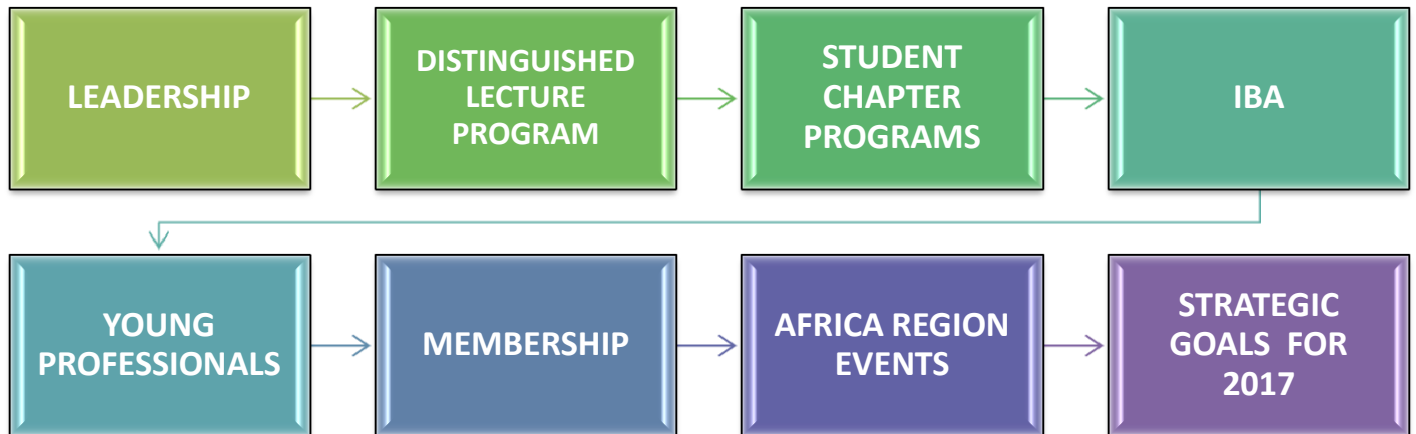
EXECUTIVE SUMMARY

These have been challenging yet rewarding years for our region as we have tried to weather the latest petroleum industry downturn. Under David Blanchard's leadership, AAPG Africa Region has continued to grow the Young Professional (YP) and Student Chapter Programs, and the Africa Region continues to conduct one of the most extensive and competitive Imperial Barrel Award (IBA) programs in all of AAPG. The Distinguished Lecture (DL) Series and Visiting Geoscientists (VG) Program are reaching increasing numbers of countries and universities across the continent and are perhaps two of our best ways to expose larger numbers of our colleagues to some of the benefits of AAPG.

The last year has seen a renaissance in AAPG's involvement in technical meetings across Africa. The relationship between our affiliated society the Nigerian Association of Petroleum Explorationists (NAPE) and AAPG remains strong, and our members take active roles in the NAPE Annual ICE held in Lagos each fall. Joint activities between NAPE and AAPG will remain an important aspect of our western Africa program during the coming years. Another affiliated organization, the Egyptian Petroleum Exploration Society (EPEX), joined with us to conduct a very successful Geotechnical Workshop (GTW) in Alexandria during March 2016. This was the first GTW held in Africa since 2009. And the big news is that the Africa Region will conduct its first all-Africa conference in December of this year in Nairobi – the inaugural Africa Energy and Technology Conference (AETC).

With strong IBA, YP, DL, and VG programs, and renewed vigor in our Africa-focused technical meetings, we have a great deal of momentum to help carry us forward over the coming year and the Africa Region is proud of all of these accomplishments.

2015/2016 AAPG AFRICA REGION ACTIVITIES AT A GLANCE



LEADERSHIP



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President-Elect



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Vice President



David C. Blanchard
President



Antonio Ingles
Secretary



Ajibola Oyebamiji
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Olatunbosun Afolayan
Student Chapters



Chioma Okafor
Membership



'Lere Olopade
DLP Committee



Adelola Adesida
IBA Coordinator



Delia Kuye
Programs Manager

DISTINGUISHED LECTURER PROGRAM

Every year the AAPG Distinguished Lecturer Program enables members all over the world to learn about leading-edge aspects of petroleum geology from scientific leaders. In 2016, the program sponsored eleven lecturers touring North America and five other geographic regions. Dr. Gary Hampson of Imperial College London was honoured to serve as the first AAPG Distinguished Lecturer for the Africa Region during a two-week tour in late February and early March. The tour took place in host universities and companies in three countries: University of Western Cape (South Africa), PetroSA (South Africa), University of Stellenbosch (South Africa), University of Witwatersrand (South Africa); University of Tunis El Manar (Tunisia); and University of Nairobi (Kenya).

Two lecture topics were offered on the tour. The first topic addressed the role of outcrop observations in constraining reservoir geological and flow-simulation models, as a tool to improve the efficient recovery of new and existing resources. The second topic outlined the value of developing sequence stratigraphic interpretations that consider a broad range of controls, and that encompass a range of predictions for the distribution of reservoir, source and seal lithologies.

Three themes recurred during the tour, and serve to reinforce AAPG's role in providing worldwide scientific leadership and professionalism in petroleum geoscience.

- Inspiring future petroleum geoscientists.

Most presentations were given at universities, to full auditoria of students, faculty teachers, and industry mentors. There is no shortage of interest and enthusiasm for petroleum geoscience from the next generation of explorers and reservoir analysts. In the current tough environment for graduate recruitment, AAPG plays a key role in fostering and maintaining interest in our profession among students and young professionals.

- Outreach through collaboration.

Several presentations were hosted in collaboration with local professional societies, including the Geological Society of South Africa (GSSA), South African Association of Geophysical Associations (SSAGA), and Geological Survey of Kenya (GSK). Such collaboration allows both AAPG and the co-host society to serve the needs of their members, and to promote understanding of petroleum geoscience and related disciplines, particularly in regions outside of AAPG's traditional heartland.

- Imperial Barrel Award.

At several universities, AR DL witnessed students at work on their Imperial Barrel Award (IBA) presentations, another AAPG initiative that aims to extend students' awareness of, and technical skills in, petroleum geoscience.

Acknowledgments

AAPG thanks Mimonitu Opuwari, KB Trivedi, Bjorn Von der Heyden, Mary Mahlatji, Craig Smith, Sue Webb, Mohamed Hedi Inoubli, and Lydia Olaka, for their warm hospitality shown towards AR DL throughout the Distinguished Lecturer tour.



Cross Section of participants at the 2015/2016 DL Tour for Africa Region – Tunis El Manah, Tunisia.

STUDENT PROGRAMS

VISITING GEOSCIENTIST PROGRAM

In 2015, the VGP Committee expanded to include Coordinators for each Region besides AAPG Sections. AAPG now boasts of 153 Visiting Geoscientists globally. In the Africa Region in 2015, Dave Blanchard (USA) and Prof. Samuel Akande (Nigeria) were appointed coordinators overseeing the VGP affairs.

The program took off smoothly in January 2015, beginning in Kenya and Nigeria and extending to Morocco, Egypt, Angola and South Africa. Following restructuring and the recruitment of new members including YPs, the Africa Region had a total of fifteen Visiting Geoscientists for the year.

The Region had challenges with VG's honoring their tour commitments, some pulling out of scheduled visits at very short notice to the Region.

A total of six VG lectures were delivered in the Region within the year.



VGP Lecture – Ray Leonard at University of Western Cape, South Africa – August 2015.

PUBLICATIONS PIPELINE PROGRAM

AAPG Publications Pipeline Committee (PPC) received requests for book donations from six (6) Nigerian Universities. Some of the book requests were received before 2015. The schools are:

- Nnamdi Azikiwe University, Awka
- Ahmadu Bello University, Kaduna
- Federal University of Petroleum Resources, Effurun
- University of Ife, Ife
- Federal University of technology, Akure
- University of Benin, Benin

The books shipment – a 40ft container containing 20 pallets of cling film wrapped books - was loaded on a vessel operated by CMA CGM at the Houston terminal in June 2015 for onward shipment to Lagos, Nigeria with support from Panalpina Logistics Company based in Houston. The shipment arrived TinCan Island Container terminal on 18th July 2015, and before this time, the Africa Region experienced challenges getting the import documents.

Form M & BA numbers were successfully obtained in late September 2015. The container was successfully cleared from the port facility and transported to the storage facility in Lagos on 12/05/2015. A group of ten students volunteers from the University of Lagos assisted in the sorting of the books for the schools. The sorting process took a total of five (5) days to complete due to the large volume of books. Each school was apportioned approximately eighty cartons of books for their libraries.

Upon completion of sorting, the universities were contacted about the arrival of the shipment and instructed to make arrangements for collection before the Christmas holidays. They were also notified of the transport allowance provided by AAPG towards transportation. Five universities were able to make collection before Christmas, while Nnamdi Azikiwe University made collection in early January.

Recommendations

- All documentation regarding shipping should be properly completed and regulations adhered to as stipulated by a country. A situation where a PPC consignment is shipped without having completed full documentation for port clearance as required by port agency/government of a country should be avoided.
- There must be an improvement in communication between all parties concerned in the handling of the PPC shipments. This will go a lot in ensuring a smoother, more efficient and worthwhile shipping and distribution process.



F. U. T. Akure collecting book shipment at storage facility in Lagos



Publications pipeline book shipment arriving at Obafemi Awolowo University, Ife.

LOCAL STUDENT CHAPTERS LEADERSHIP SUMMIT - LSCLS

The 2015 L-SCLS summit for sub-Saharan took place at the Eko Convention Center in Lagos, Nigeria in November 2015. The summit was hosted jointly by AAPG & Nigerian affiliate, NAPE. The 2-day event involving twenty five, 25 representatives of AAPG & NAPE student chapters included discussions and lectures on leadership, presentation & communication skills, academic excellence and rewards, overview of the IBA, student grants, amongst several others delivered by AAPG Africa Region President, David Blanchard, AAPG Africa Region Vice President, Femi Esan, AAPG Africa Region Student Chapters Coordinator, Olatunbosun Afolayan, AAPG Programs Manager, Delia Kuye and other invited speakers from the upstream industry and academia. A student and YP engagement summit was also held during the conference, in which David Blanchard delivered a brief talk on careers within the upstream industry.



Student invitees at the AAPG/NAPE L-SCLS meeting in Lagos. November 2015

2016 IMPERIAL BARREL AWARD COMPETITION

The 2016 IBA competition for the Africa Region finals successfully concluded on 12 March in Cairo Egypt, following a very rigorous and healthy competition amongst twenty three student teams from across Africa. This year's competition welcomed new student entrants from the

National Polytechnic Institut Felix Houphouet Boigny of Yamoussoukro (INP-HB), Cote D'voire. Participating teams represented Algeria, Tunisia, Egypt, Cote D'Ivoire, Nigeria, Uganda and South Africa.

Following the successfully completed Africa Region competitions, Obafemi Awolowo University, Ife, Nigeria led the Africa Region to the global finals of the competition taking place in Calgary in June.

The IBA program continues to create the opportunity for students to acquire robust technical, leadership and presentation skills, presenting a conducive environment for healthy interaction, networking and exchange of ideas among students and industry professionals.

Acknowledgments

AAPG appreciates Agiba Petroleum, Egypt, Transglobe Egypt & the AAPG Egypt YP team for their sponsorship and contribution to the success of the finals of the competition in Cairo.

AAPG AR also acknowledges all mentors and judges who contributed to the success of all stages of the competition.



2016 AAPG IBA finals – Cairo, Egypt. March 2016.

S/N	UNIVERSITY	S/N	UNIVERSITY
1	Nnamdi Azikiwe University, NGA	13	Cairo University, EGY
2	University of Illorin, NGA	14	Alexandria University, EGY
3	University of Calabar, NGA	15	Suez Canal University, EGY
4	University of Benin, NGA	16	Assiut University, EGY
5	University of Nigeria, NGA	17	Kafr El Sheikh University, EGY
6	University of Ibadan, NGA	18	Makerere University, UG
7	Enugu State University, NGA	19	University of Western Cape, SA
8	Federal University of Technology, Akure, NGA	20	INP-HB, Cote D'Ivoire
9	University of Lagos, NGA	21	Faculty of Science, Tunis El Manah, TUN
10	Obafemi Awolowo University, NGA	22	Tunis Polytechnic, TUN
11	Federal University of technology, Owerri, NGA	23	University of S'Fax, TUN
12	Ain Shams University, EGY		

2016 AAPG IBA – list of Participating Universities in the Africa Region**YOUNG PROFESSIONALS****2016 YP NETWORKING RECEPTION, CAIRO**

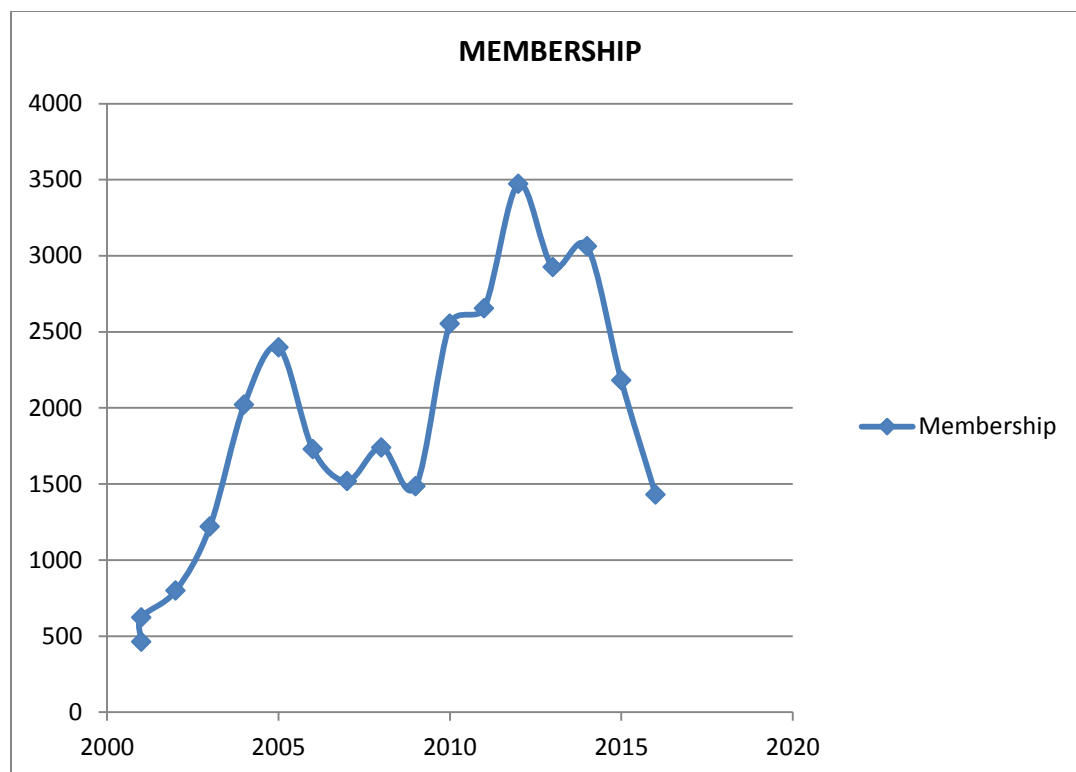
With the support of Egypt YP team led by Ola Adly, the 2016 YP networking reception hosted in Cairo, Egypt was a well-attended and successful event. Generously sponsored by Transglobe, Egypt, the reception had YPs, students and upstream professionals in attendance.



2016 YP networking reception – Cairo, Egypt – Sponsored by Transglobe

MEMBERSHIP

Declining membership across the Africa Region is a cause for concern: the AAPG Africa Region membership numbers like across the world are in decline. This is the case for most petroleum industry societies, and of course is most directly related to the collapse in oil and gas prices and our industry downturn. Regardless of the causes and underlying factors, the AR leadership team will work in to coming years to reverse this trend.



AR Membership distribution 2001 - 2016

2015-2016 EVENTS

GEOSCIENCE TECHNOLOGY WORKSHOP, ALEXANDRIA

The AAPG-Egyptian Petroleum Exploration Society joint Geosciences Technology Workshop entitled “Hydrocarbon Potential of the Sinai Micro-Plate and Surrounding Basins” was conducted from March 18-19 in Alexandria, Egypt. The event was attended by 68 participants, including 14 AAPG Student Members who were invited to attend based on the recommendations of their Student Chapter management teams. The audience included Egyptian General Petroleum Corporation management representatives, scientists and industry managers from several countries, and explorationists from National Oil Companies and International Oil Companies with operations in Egypt and those who operate in the region.

Sixteen formal presentations were made as well as several focused but less structured discussion sessions. Basins covered were the Eastern Mediterranean/Levant Margin, the Nile Delta, the Gulf of Suez, and the northern Red Sea. Great interest was shown regarding the new deep-water Zohr giant carbonate reservoir discovery in the Eastern Mediterranean, but lively discussions also accompanied presentations regarding the more traditional predominantly siliciclastic plays of the Nile Delta, Gulf of Suez and Midyan region of the Red Sea

The city of Alexandria proved to be a very comfortable and pleasant venue for the workshop.

Acknowledgments:

The workshop was sponsored by Apache Egypt whose contributions we gratefully acknowledge. Appreciation also goes to all committee members, presenters & AR Programs Manager.

Committee: Dave Blanchard (DBGlobal Energy); Bill Bosworth (Apache Corporation); Tiffany Hopkins (Noble Energy); Aboud Afifi (Saudi Aramco); Badr Khalil (HBS); David Cowper (DanaGas); Josh Steinberg (Noble Energy); Peter Bentham (BP); Scott Durocher (Transglobe); Ahmed El-Barkooky (Cairo University);



Group Photo: Attendees in group photo with organizing committee – GTW Alexandria, Egypt. March 2016.

SHORT COURSES

STRUCTURAL GEOLOGY SHORT COURSE – Lagos, June 2016

AAPG Africa Region in partnership with ExxonMobil Nigeria kicked-off a 5-day short course on Structural Geology in line with ExxonMobil Nigeria's commitment towards developing Nigerian geoscientists under ExxonMobil Nigeria's Universities Assistance Program, UAP. Opening the event on 27th June 2016, GM Exploration at ExxonMobil Nigeria Mr. Andrew Ejayeriese spoke about the deficiency in geoscience skills competencies leading to poor recruitment of Nigerian trained graduates into the upstream industry, hence the train-the-trainer initiative designed for equipping University geoscience Lecturers with up-to-date knowledge in key areas of geoscience through 5-day lecture series led by world-class instructors.

This year's lecture was led by Prof. Terry Engelder of Pennsylvania State University – an active researcher with close to 46 years of teaching and research experience. AAPG Africa Region commends the support and commitment of ExxonMobil to this initiative despite sustained downturn in the oil industry.

The 5-day short course has thirty lecturers representing thirty Nigerian Universities in attendance. AAPG Africa Region appreciates ExxonMobil Nigeria for continued support of programs in Nigeria.



Participants in group photo with short course instructor Terry Engelder, ExxonMobil Nigeria representatives, AAPG Africa Region Leadership and volunteers.

2016 AFRICA ENERGY & TECHNOLOGY CONFERENCE, NAIROBI

From 5-7 December 2016, AAPG Africa Region and SPE will host a joint, multidisciplinary conference for the first time on the continent. Themed 'African Energy in the 21st Century: Paving the way for the future', the conference will feature oral & poster sessions, executive plenary & panel sessions; a field trip to the Kenyan Rift Valley; and two short courses.

Technical sessions and panel sessions will cover exploration geoscience, engineering, drilling and operations, renewable energy, and sustainability and regulatory topics.

With a fantastic technical program successfully created by a very dedicated and committed team of SPE & AAPG volunteers and staff, AAPG Africa looks forward to her first Africa Region conference of this scale, alongside workshops and short courses in 2017.



2016 AETC Preparations: David Blanchard, Lydia Olaka (UoN) & Simon Polledri (SPE) meet in Nairobi, Kenya.

CONFIRMED UPCOMING EVENTS

- Sequence Stratigraphy for the E&P industry 6-8 March 2017, Dar Es Salaam, Tanzania
- Sequence Stratigraphy for the E&P industry 10-12 April 2017, Windhoek, Namibia
- Sequence Stratigraphy for the E&P industry 29-31 May 2017, Kampala, Uganda

STRATEGIC GOALS FOR 2016/2017

With the entry of the 2016-2018 Leadership team: Dr. William P. Bosworth (President) Adegbenga “Femi” Esan (President-elect); Scott Durocher (Vice President); Mimonitu Opuwari (Secretary); and Ajibola Oyebamiji (Treasurer) who will be supported by newly elected House of Delegates representatives – Adeola Adesida, Lydia Olaka, Kaushalendra Trivedi, Fida Medina & Gilbert Odior (past-Africa Region President); and including David Blanchard (Past president), Nosa Omorodion (Advisory Council), the Region is prepared to build on previous years’ performances. Nosa will also be representing the AAPG at higher organizational levels as a member of the AAPG Advisory Council for the next three years. Abeer Zubaidi (in Dubai) and Delia Kuye (in Lagos) will continue to help manage the Africa Region business and provide professional guidance in all of our activities.

KEY AREAS OF FOCUS in 2016-2017

- Membership growth at all levels with particular emphasis on reaching out to former, presently inactive members and retaining students in the transition to YP status.
- Improved reach and coverage of DL, IBA and YP programs across the African Continent.
- Delivery of more high-quality AAPG technical events, particularly GTWs and conferences.
- Strengthening of ties to AAPG’s existing affiliated societies and the development of new connections with other African local societies.

Sincerely,



David Blanchard
President, Africa Region (2014-2016)