



AAPG | Geosciences Technology
Workshops 2020

27-29 APRIL 2020
RADISSON BLU HOTEL
MAPUTO, MOZAMBIQUE

DEEPWATER AND LNG GTW



REGISTRATION
BROCHURE



WORKSHOP OUTLINE

In 2020, AAPG will launch its first GTW (Geosciences Technology Workshop) in Mozambique, partnering with ENH (Mozambique National Oil and Gas Company) with a focus on deepwater reservoirs and LNG. The goal will be to build scientific knowledge, discover innovations, and network with peers. AAPG has established the GTWs as the primary vehicle for scientific and technological knowledge exchange throughout the world.

The primary topic of the AAPG Deepwater and LNG Mozambique Geosciences Technology Workshop is offshore petroleum reservoirs, together with midstream, including LNG facilities, pipelines, processing, and exports. The goal of the event is to harness the knowledge and experience of global experts to share useful interdisciplinary findings and case studies, enhance decision-making, find better ways to develop reservoirs and infrastructure, and to stimulate investment.

Main topics to be covered include:

- Offshore clastics reservoirs: New knowledge and technologies
- Reservoir imaging and characterization
- Enhanced production techniques to optimize reservoirs
- LNG, exports, and markets
- Economics, finance, and risk in deepwater ventures
- LNG in Mozambique

WORKSHOP COMMITTEE

Monica Chamussa (Chair), ENH -
Empresa Nacional de Hidrocarbonetos

Reynaldo Gonçalves, AGMM - Geologist
Association of Mozambique

Abdul Remane, Association of
Engineers of Mozambique

Femi Esan, C&C Reservoirs

Missal Martinho, CMH Mozambican
Company of Hydrocarbons

Dinis Juizo, Eduardo
Mondlane University

Daud Jamal, Eduardo
Mondlane University

Salvador Mondlane, Eduardo
Mondlane University

Emílio Tostão, Eduardo
Mondlane University

Rudêncio Morais, ENH - Empresa
Nacional de Hidrocarbonetos

Tavares Martinho, ENH - Empresa
Nacional de Hidrocarbonetos

Esperanca Macovela, ENH - Empresa
Nacional de Hidrocarbonetos

Jocelyne Machevo, ENI

Ivan Almeida, ExxonMobil

Francisco Noa, Lúrio University

Jose Branquinho, National
Petroleum Institute (INP)

Nazario Bangalane, National
Petroleum Institute (INP)

Jorge Ferão, Pedagogic
University of Maputo

Emília Nhalivito, Púngué University

Alex Battaglia, Shell

Alrik Thiriet, Total

Francisco Vierira, UEM

Susan Nash, AAPG

Co-organizer

SESSIONS DESCRIPTIONS

DAY 1 MONDAY 27 APRIL

SESSION 1: OFFSHORE CLASTICS RESERVOIRS: NEW KNOWLEDGE AND TECHNOLOGIES

- Turbidite systems
- Reservoir connectivity
- Porosity and permeability determinants
- Pore architecture in deepwater reservoirs
- Using AI to optimize operations (E&P plus LNG)
- Ideal software and systems for Machine Learning in Mozambique
- New system on seismic acquisition, processing and interpretation (API)
- Leak Detection and Location

SESSION 2: RESERVOIR IMAGING AND CHARACTERIZATION

- Seismic processing
- Static and dynamic modeling
- AVO Analysis
- Seismic interpretation
- Petrophysics integration
- Reserves estimation
- Core studies: XRF analysis
- Reservoir pressure determination

DAY 2 TUESDAY 28 APRIL

SESSION 3: ENHANCED PRODUCTION TECHNIQUES TO OPTIMIZE RESERVOIRS

- Techniques for enhanced recovery rate
- Smart systems
- Machine learning
- Flow regulation
- Reservoir optimization
- Reserves modeling
- Reservoir fluid modeling

SESSION 4: LNG, EXPORTS, AND MARKETS

- Types of LNG
- LNG development
- Knowledge transfer in LNG
- Infrastructure of LNG
- Export challenges
- Machine learning in market planning / supply chain
- Monitoring technologies for optimization

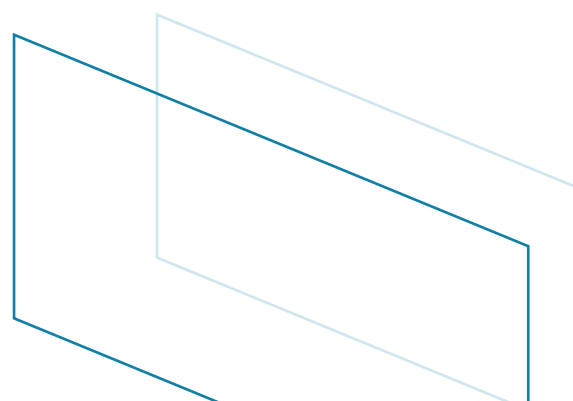
DAY 3 WEDNESDAY 29 APRIL

SESSION 5: ECONOMICS, FINANCE, AND RISK IN DEEPWATER VENTURES

- Risk analysis in deepwater ventures
- Reserves estimates and project economics
- Reserves certification
- Finance strategies for LNG development and infrastructure
- Deepwater concessions and key elements
- Doing business in Mozambique: government regulations and permits
- Licensing, permits, taxes, and other government regulations

SESSION 6: LNG IN MOZAMBIQUE

- Main challenges in Mozambique LNG development
- LNG infrastructure and local transformation
- Local and Regional Markets
- Technical differences: FLNG vs LNG
- Economic impact of FLNG vs LNG
- Future partnerships with African countries



WORKSHOP GUIDELINES

FORMAT

The workshop will be 3 days, consisting of presentations, poster presentations and breakout sessions where participants can discuss and investigate a specific theme that is of mutual interest. The first day will feature an inaugural keynote speech by a high-profile professional from the industry.

ATTENDANCE

Registrations are invited from all relevant disciplines with experience and/or knowledge of the subject areas being addressed in the workshop. Registrations will be accepted on a first-come, first-served basis.

CALL FOR POSTERS

You are invited to prepare a poster display for presentation. If you are interested in participating, please send a short abstract along to jbhatia@aapg.org by 23 April 2020. All posters will be produced as pull-up banners and delivered by AAPG. There will not be any other format available for poster display.

REGISTRATION TYPES & FEES

Fees are inclusive of onsite documentation, coffee breaks and luncheons. To register as a 'Student / Young Professional' you must either be a current student or a young professional under the age of 35 with less than 10 years of work experience.

REGISTRATION DEADLINE

To guarantee your seat, please make sure to register by 16 April 2020.

WORKSHOP LOCATION

Radisson Blu Hotel, Maputo, Mozambique

CANCELLATION POLICY

AAPG will refund the tuition, less a \$100 processing fee, if the request is received no later than 30 days prior to the workshop. Cancellations must be made in writing. The registrar will accept cancellation notices by telephone, but all such notices must be followed up by fax or e-mail. No refund will be made for cancellations received less than 30 days prior to a workshop being given. Nonpayment of tuition does not constitute automatic cancellation. If no cancellation notice is received by 30 days prior to a workshop, participants are liable for full tuition. AAPG reserves the right to cancel a workshop if enrollment is insufficient to ensure proper effectiveness. Substitutions for individuals can be made at any time. A paid enrollment may be transferred one time to a future workshop if the request is received prior to the 30 day cut-off date.

EVENTS CALENDAR

2020	15 MARCH BAHRAIN 11th Middle East Region Imperial Barrel Award Competition	2021	25-27 JANUARY DHAHRAN, SAUDI ARABIA 2nd Edition: Regional Variations in Charge Systems
	16-19 MARCH BAHRAIN GEO 2020: 14th Middle East Geosciences Conference and Exhibition		22-24 MARCH BAHRAIN Source Rocks of the Middle East
	6-7 APRIL ABU DHABI, UAE Immersion into Shuaiba Formation to Maximize Production		5-7 APRIL KUWAIT CITY, KUWAIT Exploration and Development of High Pressure and High Temperature Reservoirs
	27-29 APRIL MAPUTO MOZAMBIQUE Deepwater and LNG		24-26 MAY ABU DHABI, UAE 6th Edition: AAPG/EAGE Tight Reservoirs in the Middle East
	26-28 OCTOBER DHAHRAN, SAUDI ARABIA 3rd Edition: Stratigraphic Traps of the Middle East		21-23 SEPTEMBER TUNIS, TUNISIA MEDIINA Technical Conference & Exhibition
15-17 NOVEMBER BAHRAIN EAGE/AAPG Shale Gas Evolution Symposium	24-27 OCTOBER MUSCAT, OMAN International Conference and Exhibition (ICE)		
23-25 NOVEMBER MUSCAT, OMAN 3rd Edition: AAPG/EAGE Hydrocarbon Seals of the Middle East	22-24 NOVEMBER DHAHRAN, SAUDI ARABIA 2nd Edition: Low Resistivity Pay		
7-9 DECEMBER DHAHRAN, SAUDI ARABIA 2nd Edition: Decision Based Integrated Reservoir Modeling	6-8 DECEMBER TBC 4th Edition: Siliciclastic Reservoirs of the Middle East		

REGISTRATION FORM

AAPG DEEPWATER AND LNG GTW
27-29 APRIL 2020 • MAPUTO, MOZAMBIQUE

Last Name		First Name	
Nickname for Name Tag		<input type="checkbox"/> Male	<input type="checkbox"/> Female
Company Name		E-mail (required)	
Business Address		Business Telephone	
Job Title		Mobile Telephone	
City	State/Province	Post Code	Country
Alternative Telephone		Fax	
AAPG Member? <input type="checkbox"/> Yes <input type="checkbox"/> No Member N ^o		I am also a member of: <input type="checkbox"/> EAGE <input type="checkbox"/> SEG <input type="checkbox"/> SPE <input type="checkbox"/> Other	

REGISTRATION TYPE & FEES

- | | | |
|---|--|---|
| <input type="checkbox"/> Member*/Speaker (\$ 795) | <input type="checkbox"/> Non-Member (\$ 995) | <input type="checkbox"/> Join & Save (\$ 995) |
| <input type="checkbox"/> Young Professionals (\$ 350) | <input type="checkbox"/> Academia (\$ 350) | <input type="checkbox"/> Students (\$ 100) |

MOZAMBIQUE NATIONALS

- | | | |
|---|--|---|
| <input type="checkbox"/> Member*/Speaker (\$ 495) | <input type="checkbox"/> Non-Member (\$ 695) | <input type="checkbox"/> Join & Save (\$ 695) |
|---|--|---|

**To avail the member rate you must be an ACTIVE member of AAPG*

PAYMENT

- | | | | |
|-------------------------------------|-------------------------------|---|-----------------------------------|
| <input type="checkbox"/> MasterCard | <input type="checkbox"/> VISA | <input type="checkbox"/> American Express | <input type="checkbox"/> Discover |
|-------------------------------------|-------------------------------|---|-----------------------------------|

Card Number	Expiration Date	CSC
Billing Address	City/State	ZIP
Card Holder Name	Authorized Signature	

Credit card charges will be processed in US dollars.

COMPLETE THIS FORM AND SEND TO: JAHNAVI BHATIA Junior Event Coordinator

AAPG Middle East & Africa | Dubai Silicon Oasis, Office F-502 | PO Box 341359 Dubai, UAE

T: +971 4 3724199 | F: +971 4 3724204 | E: jbhatia@AAPG.org

Invoices must be paid within 10 days of receipt. Should your application be received six weeks prior to the commencement of the workshop, please note that we will only accept credit card payment. AAPG will refund the tuition, less a \$100 processing fee, if request is received no later than 30 days prior to the workshop. Cancellation must be made in writing. The registrar will accept cancellation notices by telephone, but all such notices must be followed up by fax or e-mail. No refund will be made for cancellations received less than 30 days prior to a workshop being given. Nonpayment of tuition does not constitute automatic cancellation. If no cancellation notice is received by 30 days prior to a workshop, participant is liable for full tuition. AAPG reserves the right to cancel a workshop if enrollment is insufficient to ensure proper effectiveness. Substitutions for individuals can be made at any time. A paid enrollment may be transferred one time to a future workshop if the request is received prior to the 30 day cut-off date. The American Association of Petroleum Geologists (AAPG) does not endorse or recommend any products and services that may be cited, used or discussed in AAPG publications or in presentations at events associated with AAPG.



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AAPG MIDDLE EAST

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