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

Co-organizer
EMPRESA NACIONAL DE HIDROCARBONETOS, E.P.
# 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
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.

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.

You are invited to prepare a poster display for presentation. If you are interested in participating, please send a short abstract along to cnavarro@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.

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.

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

Radisson Blu Hotel, Maputo, Mozambique

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.

3-5 FEBRUARY BAHRAIN
Rift Basin Evolution and Exploration: The Global State of the Art and Applicability to the Middle East and Neighboring Regions

15 MARCH BAHRAIN
11th Middle East Region Imperial Barrel Award Competition

16-19 MARCH BAHRAIN
GEO 2020: 14th Middle East Geosciences Conference and Exhibition

6-9 APRIL ABU DHABI, UAE
Immersion into Shuaiba Formation to Maximize Production

27-29 APRIL MAPUTO MOZAMBIQUE
Deepwater and LNG

26-28 OCTOBER DHAHANR, SAUDI ARABIA
3rd Edition: Stratigraphic Traps of the Middle East

15-17 NOVEMBER BAHRAIN
EAGE/AAPG Shale Gas Evolution Symposium

25-27 JANUARY DHAHANR, SAUDI ARABIA
2nd Edition: Regional Variations in Charge Systems

26-28 OCTOBER DHAHANR, SAUDI ARABIA
3rd Edition: AAPG/EAGE Tight Reservoirs in the Middle East

7-9 DECEMBER DHAHANR, SAUDI ARABIA
2nd Edition: Decision Based Integrated Reservoir Modeling

2020

2021

5-7 APRIL KUNAIT CITY, KUNAIT
Exploration and Development of High Pressure and High Temperature Reservoirs

24-26 MAY ABU DHABI, UAE
6th Edition: AAPG/EAGE Tight Reservoirs in the Middle East

22-24 NOVEMBER DHAHANR, SAUDI ARABIA
2nd Edition: Low Resistivity Pay

22-24 NOVEMBER DHAHANR, SAUDI ARABIA
International Conference and Exhibition [ICE]

6-8 DECEMBER MUSCAT, OMAN
International Conference and Exhibition [ICE]

6-8 DECEMBER TBC
4th Edition: Siliciclastic Reservoirs of the Middle East
# REGISTRATION FORM

**AAPG DEEPWATER AND LNG GTW**<br>**27-29 APRIL 2020 • MAPUTO, MOZAMBIQUE**

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### REGISTRATION TYPE & FEES

- **Member*/Speaker ($795)**
- **Non-Member ($995)**
- **Join & Save ($995)**
- **Young Professionals ($350)**
- **Academia ($350)**
- **Students ($100)**

### MOZAMBIQUE NATIONALS

- **Member*/Speaker ($495)**
- **Non-Member ($695)**
- **Join & Save ($695)**

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

### PAYMENT

- **MasterCard**
- **VISA**
- **American Express**
- **Discover**

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**Card Holder Name**

**Authorized Signature**

Credit card charges will be processed in US dollars.

**COMPLETE THIS FORM AND SEND TO:** CORA NAVARRO<br>Marketing & Events Officer<br>AAPG Middle East & Africa | Dubai Silicon Oasis, Office F-502 | PO Box 341359 Dubai, UAE<br>T: +971 4 3724201 | F: +971 4 3724204 | E: cnavarro@aapg.org

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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.