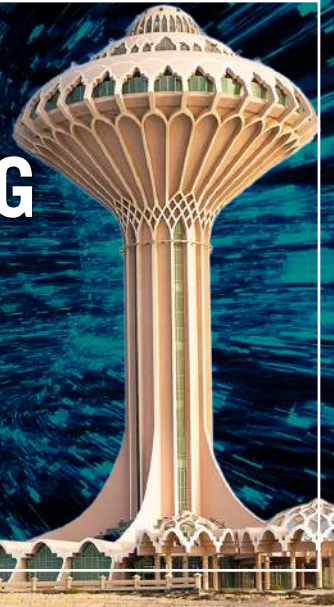


AL KHOBAR, SAUDI ARABIA

HIGH PERFORMANCE COMPUTING FOR EXPLORATION, RESERVOIR DEVELOPMENT AND ENERGY TRANSITION

6-8 NOVEMBER 2023



REGISTRATION

FOR MORE INFORMATION

Adrienne Maxine Lara – SEG Middle East

Telephone: + 971 4 371 2856

Email: alara@seg.org

Due to security concerns, please do not email your credit card details.

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WORKSHOP DESCRIPTION

Extreme computing plays a major role in our energy business. Looking across multiple industries, our business undoubtedly exploits the largest high-performance computing (HPC) capacity. Extreme computational simulations and data analytics enable high productivity by making better use of huge amounts of data. Although AI, IoT, HPC and cloud computing, performing and scaling as best as possible, on the latest computing platforms, will have a direct impact, computational capability is accelerating, we have yet to see how extreme its effects are on pushing Upstream to transform its business model. Therefore, algorithms, relating to big data, impact on many of the decisions reshaping our industry.

The workshop will enable all participants to get acquainted with the very latest advances in HPC architectures and how these may be applied in geoscience applications used in the oil and gas industry and energy transition.

The workshop proposes a healthy mixture of various contributions from four different groups:

- Oil and gas as well as energy companies exposing their main business needs and how HPC impacts their bottom line
- Service providers demonstrating their accomplishments through HPC and upcoming technology
- Academia showing their latest research endeavors, results, and initiatives in HPC
- HPC vendors presenting current and upcoming hardware as well as software technologies that will ensure effective utilization of HPC

KEYNOTE SPEAKERS:

- Chayma Bouazza, Pasqal
- David Keyes, King Abdullah University of Science and Technology (KAUST)
- Denis Voskov, TU Delft
- Karthik Mukundakrishnan, Stone Ridge Technology
- Ken Hester, NVIDIA
- Mustafa Youldash, Imam Abdulrahman Bin Faisal University (IAU)
- Othmane Bouhali, Qatar Computing Research Institute

TECHNICAL TOPICS:

- Traditional HPC on premise or cloud - Part I, II & III
- Machine learning, deep learning, HPC for data analytics
- Next generation hardware architectures
- Seismic imaging - Part I & II
- Challenges in AI, HPC and quantum computing for the energy industry
- Quantum computing
- Reservoir simulation

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REGISTRATION

SEG MIDDLE EAST BUSINESS OFFICE:

For all registration queries, please contact alara@seg.org or call +971 4 371 2856

REGISTRATION FEE INCLUDES:
COFFEE BREAKS, AND LUNCHES (MON-WED)

	NON-MEMBERS	MEMBERS
EARLY BIRD REGISTRATION FEE (Must be registered and paid for by 6 October 2023)	US\$1,640	US\$1,400
FULL REGISTRATION FEE (7 October 2023)	US\$1,850	US\$1,610
ACADEMIA REGISTRATION FEE	US\$650	
STUDENT REGISTRATION FEE	—	US\$250

PLEASE FILL IN THE FORM BELOW

SEG ID# (if currently a member) _____ Dr. Mr. Ms.

First/Given Name _____ Middle Name _____

Last/Family Name _____ Name on Badge _____

Company/Organization _____ Job Title _____

Business Phone _____ Email _____

Mailing Address _____

City & State _____ ZIP/Postal Code _____ Country _____

Address listed: Business Home Are you a student? Yes No

All payments are required in US Dollars (\$) on US Banks only. Payment through PayPal is also available through online registration. From outside the US, you can process payments in your local currency with Flywire.

TO PAY VIA CREDIT CARD OR FOR MORE INFORMATION, PLEASE CONTACT ADRIENNE MAXINE LARA AT [ALARA@SEG.ORG](mailto:alara@seg.org)

PLEASE NOTE CREDIT CARD PAYMENTS ARE NOT ACCEPTED VIA EMAIL.

Remit in US Dollars (\$) to:

Society of Exploration Geophysicists
Attn: Accounts Receivable
125 West 15th Street, Suite 100 Tulsa,
Oklahoma, 74119-3801, USA

All major credit cards accepted:

Fax: +1 918 497 5558
Society of Exploration Geophysicists
Attention: Accounts Receivable

Wire transfer:

Wire transfer — in US Dollars (\$) Detailed wire information will be sent upon request.

CANCELLATION POLICY

Written notice received by **5 October 2023** entitles registrants to a full refund of the registration fee minus US\$50 for processing. No refunds will be issued after **5 October 2023** Substitutions are permissible with written approval by the event organizers. Notify Adrienne Maxine Lara (alara@seg.org) immediately to request a substitution.