

THE FUTURE OF OUR INDUSTRY

ANNUAL REPORT | 2018-2019



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Society of Petroleum Engineers®



Sami Alnuaim
2019 President

Dear SPE Members,

It has been my honor to serve as your 2019 SPE President. Over the past year, I have been fortunate to speak with hundreds of members around the world. Many of these conversations joyfully describe moments when being an SPE member gave them the tools

to overcome a challenge in the field or helped propel them to the next stage of their career. Membership in the SPE will grow your technical knowledge, prepare you for a rapidly evolving industry, and prove essential to professionals who are passionate about growing in their discipline.

I have devoted my term as SPE President to bringing the topic of energy sustainability to you. I have discussed the future of our industry with professionals who are eager to share their ideas and find solutions to these challenges. Environmental sustainability is a global goal that is both crucially important and difficult to achieve. Fortunately, there is work in progress to move us in the right direction. Industry leaders continue to implement best practices to reduce their carbon footprint and prioritize large scale R&D on sustainability initiatives. My goal has been to spark conversations that can change the future of our industry and help maintain our license to operate. SPE members must be the stewards for the future of this industry by performing our jobs with excellence, integrity, and pride while caring for our community and environment.

With all of the focus on climate change, the contributions of our industry to other aspects of the sustainability question get overlooked. We

are an economic engine for global development. We bring jobs and social advancement. We create infrastructure that benefits local communities. We supply the power that moves goods and people around the world. Products made from oil and gas are a fundamental part of everyday life. Our industry is not going away anytime soon; oil and gas will continue to supply half the world's energy needs for decades, even as renewables see explosive growth. Global energy demand continues to grow while energy poverty is becoming a distant memory for thousands more people every day. The value that energy exploration and production brings to human life is immeasurable.

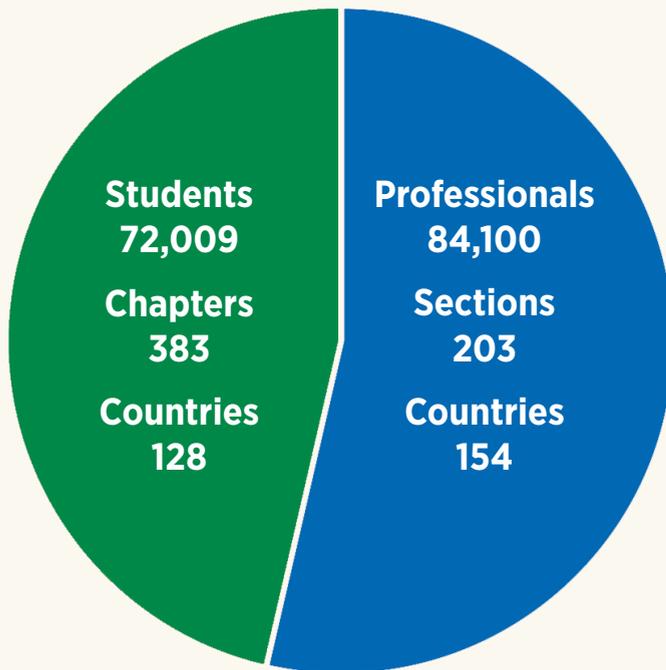
What about the challenges we face as an industry, combined with the challenges we face as inhabitants of our planet? Between industry and academia, we have begun our journey toward near-zero net CO₂ emissions with significant R&D and investment. Can we be more energy and water efficient? More protective of the environment? Our industry is already making substantial strides in these areas as well. The industry professionals that came before us found ways to innovate, explore, and solve the world's most difficult energy problems. I am confident that we will find ways to solve our challenges responsibly, and with the long-term in mind.

I hope you will take the time to read this annual report, and think about how SPE contributes to every stage of your career. Thank you for your dedication to this noble industry.

Sincerely,

Sami Alnuaim

Total Members: 156,109



Professional Membership by Region

North America	43%
Middle East/South Asia	19%
Asia Pacific	13%
Europe	11%
South America/Caribbean	5%
Africa	5%
Russia/Caspian	4%

Student Membership by Region

Asia Pacific	30%
North America	17%
South America/Caribbean	15%
Africa	12%
Russia/Caspian	10%
Middle East/South Asia	9%
Europe	7%

Our Mission

To collect, disseminate, and exchange technical knowledge concerning the exploration, development and production of oil and gas resources, and related technologies for the public benefit; and to provide opportunities for professionals to enhance their technical and professional competence.

Our Vision

Advance the oil and gas community's ability to meet the world's energy demands in a safe, environmentally responsible, and sustainable manner.

BENEFITS OF MEMBERSHIP

- Learning and training opportunities to help you at every career stage
- Unmatched professional networking opportunities
- Access to valuable online resources and industry communities
- Certification and awards to recognize technical competence
- Publications and newsletters to stay informed



PRINT AND DIGITAL MAGAZINES

Collecting and sharing technical knowledge remains paramount to SPE's mission. *The Journal of Petroleum Technology*, our flagship publication, is the industry's most trusted periodical for E&P technology developments. *HSE Now* is the premier online resource for health, safety, security, and industry sustainability news. *Data Science and Digital Engineering* explores the digital transformation occurring within the industry. *Oil and Gas Facilities* focuses on production and facilities, both onshore and offshore. *The Way Ahead* supplies content from and for young professionals to accelerate career development.

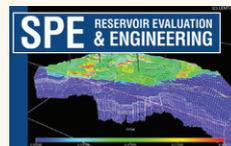
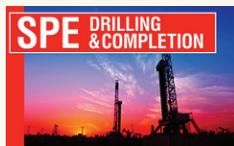


Data Science
and Digital Engineering
in Upstream Oil and Gas



PEER-REVIEWED JOURNALS

Rigorously reviewed technical articles by the industry's foremost technology experts fill the pages of SPE's peer-reviewed journals. Our four in-depth journals bring technology you can count on.



ONLINE RESOURCES

SPE's online industry resources are second to none. OnePetro provides a comprehensive body of knowledge for research spanning more than 230,000 documents from SPE and 20 society publishers. PetroWiki is a publicly available resource with extensive resources that members can help to expand. SPE Connect is an online networking and discussion platform where members help others solve problems. Energy4me provides resources for members and teachers to engage pre-college students in activities around energy. All of these resources and membership functions are available via the new SPE International App.

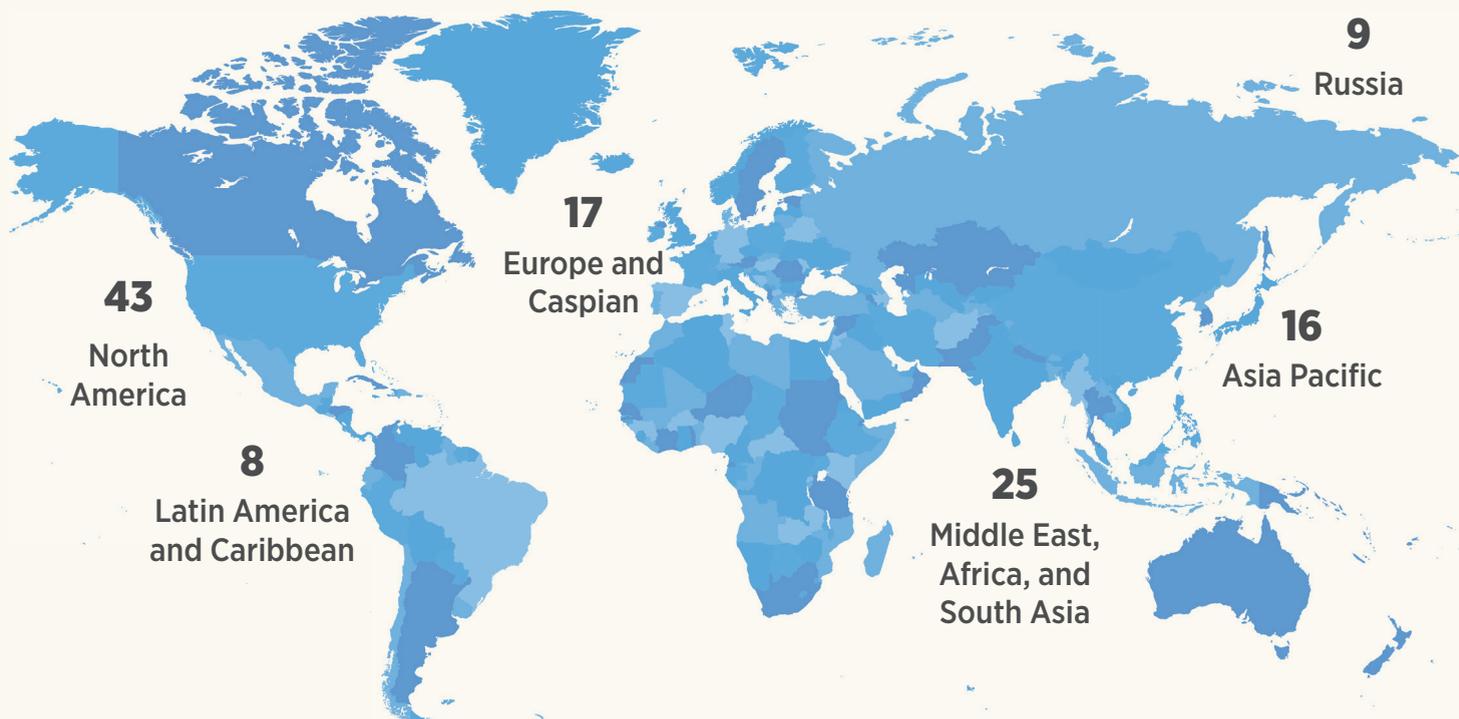


GLOBAL EVENTS

SPE is the industry leader for organizing events that bring together professionals from across the globe to discuss technical innovations and advancements in oil and gas recovery. A wide variety of SPE events, from international conferences and exhibitions to in-depth workshops, provide opportunities to connect with the latest E&P technologies and network with upstream experts. Whatever your discipline, SPE delivers the technical knowledge you need to succeed.



EVENTS BY REGION



Conferences and Symposiums **42** Workshops, Summits, and Forums **76** Total Events **118**

DISTINGUISHED LECTURER PROGRAM

The Distinguished Lecturer (DL) Program is a key way that SPE shares knowledge with members. During 2018-2019, 32 industry experts traveled more than 850,000 miles sharing knowledge on the latest technologies and industry trends with SPE sections worldwide through more than

550 presentations. The DL program not only supports the organization's mission of disseminating technical information, but also honors the professional contributions of members who have earned the respect of their peers.



AMBASSADOR LECTURER PROGRAM



Organized by SPE's Young Member Engagement Committee, this program aspires to educate, inspire, and develop the skills of the next generation of oil and gas professionals. Young professionals visit universities and secondary schools to provide career guidance, disseminate industry information, answer student questions, and share their own professional experiences.

eMENTORING

The eMentoring program gives SPE members the opportunity to share practical career advice and industry wisdom with the next generation of oil and gas professionals. Communication across time zones is made convenient through modern platforms. Young professionals also mentor university students with petroleum engineering and career insight.



PROFESSIONAL TRAINING

SPE training programs help E&P professionals to stay current on industry trends and best practices via instructor-led courses, online courses, and webinars.



Business Management and Leadership Skills training is also available to supplement SPE's robust technical training catalog. Browse our educational materials at www.spe.org/training to advance your professional development.

SPE PETROLEUM ENGINEERING CERTIFICATION

SPE's Petroleum Engineering Certification program provides members with the opportunity to obtain an international credential recognizing their petroleum engineering knowledge. Review courses are offered onsite and online through SPE's training course program. More than 250 members earned their initial certification this year.

SPE COMPETENCY MANAGEMENT TOOL



SPE Competency Management Tool SM

The Competency Management Tool (CMT) is a free online benefit to

help SPE members manage their professional and technical development across a variety of disciplines. The highly personalized tool allows members to identify competency gaps through a thorough self-assessment, and then follow self-paced learning plans to close those gaps.



Consolidated Statement of Financial Position — Audited	USD thousands
Assets	
Cash and Cash Equivalents	14,177
Other Assets	12,525
Reserve Fund Investments	49,856
Property and Equipment	11,607
Interest in SPE Foundation	11,180
Total Assets	99,345
Liabilities and Net Assets	
Accounts Payable	9,988
Deferred Revenue	14,070
Total Liabilities	24,058
Net Assets	75,287
Total Liabilities and Net Assets	99,345
Consolidated Statement of Activity — Audited	USD thousands
Meetings and Training Courses	11,675
Member Programs	(4,154)
Publications	(2,566)
Global Information Systems	(5,308)
Operating Surplus	(353)
Member Advantage (Scholarships, Energy Education)	(482)
SPE Global Investments	2,493
Net Change in SPE Foundation	(550)
Net Surplus/(Loss)	1,108

OFFICERS



2019 President

Sami Alnuaim
Saudi Aramco



2020 President

Shauna Noonan
Occidental
Petroleum



2018 President

Darcy Spady
Independent
Director



Secretary
Mark Rubin

REGIONAL DIRECTORS

Africa

Omowumi Iledare
University of Port Harcourt

Canada

Cam Matthews
C-FER Technologies

Eastern North America

Joe Frantz
Frantz & Associates

Mid-Continent North America

Chris Jenkins
Chesapeake Energy

North America

Steve Cheung
StevIOR Consultants

Barry Hanson
Sproule

Latin America and Caribbean

Cesar Patiño
Ecopetrol

Middle East and North Africa

Faisal Al-Nughaimish
Saudi Aramco

North Sea

Karl Ludvig Heskestad
Aker BP

Asia Pacific

Nasir Darman
Petronas

Russia and the Caspian

Aizhana Jussupbekova
ExxonMobil

South Asia and the Pacific

T.K. Sengupta
ONGC (retired)

South, Central and East Europe

Jean-Marc Dumas
Aedes Energy International

TECHNICAL DIRECTORS

Completions

Terry Palisch
Carbo Ceramics

Drilling

Jeff Moss
ExxonMobil (retired)

Health, Safety, Environment, and Sustainability

Johana Dunlop
Affiliate — Schlumberger
Professional Societies Program

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Birol Dindoruk
Shell

Production and Facilities

Hisham Saadawi
Baker Hughes, a GE company

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