SPE CELEBRATES 60 YEARS
“Looking Back to Move Forward.”

San Antonio, Texas, USA
9–11 October 2017
Henry B. Gonzalez Convention Center
www.spe.org/go/PreviewATCE

Save up to USD 100
when you register by
4 September 2017
Reduce water.
Save money.

Hexion’s AquaBond™ proppants utilize a unique resin system that reduces the production of formation water compared to traditional proppants. They also increase hydrocarbon production as shown in a recent case study. Results yielded a 36% hydrocarbon production increase over traditional proppants in offset wells in the Granite Wash after 12 months.

These advanced proppants are being utilized in multiple basins across North America where minimizing water production is essential. AquaBond proppants are helping operators reduce water, maximize well profitability, and lower cost per BOE.

Visit us at hexion.com/aquabond
ATCE’s Worldwide Reach

The flagship meeting of the Society of Petroleum Engineers—the SPE Annual Technical Conference and Exhibition (ATCE)—takes place at the Henry B. Gonzales Convention Center in San Antonio, Texas, USA. This premier event in oil and gas exploration and production covers the upstream aspects of conventional and unconventional resources from across the globe.

Attendees come to ATCE to keep up with the latest technologies, industry best practices, and new product launches. Plan on being there!

ATCE 2017 Offers

- Unparalleled **technical sessions**, unmatched content, and exciting **forums** that draw the most influential minds in the industry
- Traditional events such as the **Annual Reception and Banquet**, which recognizes outstanding SPE members who have made significant contributions to the industry
- **Student** and **young professional** activities
- An **Opening General Session** where executives will address the industry’s responsibility to provide affordable and environmentally sustainable energy for the world
- One of the industry’s top exhibitions showcasing the **latest technologies**

Who Attends?

- Academics
- Consultants
- Engineers
- Executives
- Geologists and Geophysicists

Sustainability Statement

SPE is committed to ensuring that the environmental impact of our events is kept to a minimum. We aim to make progress in the field of sustainability through reducing energy usage, promoting eco-friendly mobility, reducing water consumption, and limiting waste, all core values in keeping with those of the oil and gas industry.
COMMITTEES

Vicki Hollub
ATCE 2017 General Chairperson
Occidental Petroleum

Executive Advisory Committee

Nathan Meehan  
Chairman  
Baker Hughes

Janean Judah  
Vice Chairman, 2017 SPE President  
Chevron

Terry Palisch  
Program Committee Liaison  
CARBO Ceramics

Rustom Mody  
Baker Hughes

Sami Al-Neaim  
Saudi Aramco

Mike Stice  
University of Oklahoma

Gustavo Garcia-Hernandez  
University of Tulsa

Kaes Van’t Hof  
Diamondback Energy

Technical Program Committee

Terry Palisch  
Program Chair  
Carbo Ceramics

Dan Scott  
Program Vice Chair  
Baker Hughes

Specialty Coordinators

Terry Hemphill  
Drilling  
Halliburton

Jing Du  
Production and Operations  
Total

Badarinarad Vissapragada  
Management and Information  
Schlumberger

Mark Glaser  
Completions  
Halliburton

Graeme Lawrie  
Health, Safety, and Environment  
OMV

Birol Dindoruk  
Reservoir Description and Dynamics  
Shell

Cem Sarics  
Projects, Facilities, and Construction  
University of Tulsa

Jetta Operating Service

Program Committee

Terry Hemphill  
Drilling  
Halliburton

Srimoyee Bhattacharya  
Recovery Mechanisms and Flow in Porous Media  
Shell

Graeme Lawrie  
Health, Safety, and Environment  
OMV

Richard Pemper  
Formation Evaluation  
Weatherford

Leon Beugelsdijk  
Management  
Shell

Robert Tester  
Reservoir Monitoring  
ExxonMobil

Tabatabai Mohammad  
Production Monitoring and Control  
Marathon Oil

Dwayne Purvis  
Management and Information  
Jetta Operating Service

Keith Holdaway  
Petroleum Advanced Analytics  
SAS

Roman Bulgachev  
Well Completions  
BP

Hemant Phale  
Reservoir Engineering  
Chevron

Joanne McNichol  
Well Stimulation  
NCS Oilfield Services

German Garcia  
Reservoir Geology and Geophysics  
Schlumberger

Luigi Saputelli  
Digital Energy  
Frontender
CONFERENCE SCHEDULE

SATURDAY, 7 OCTOBER
0700–0800 SPE Training Course Registration
0800–1700 SPE Training Courses

SUNDAY, 8 OCTOBER
0700–0800 SPE Training Course Registration
0800–1700 Leadership Workshop
0800–1700 SPE Training Courses
0800–1700 Registration
1000–1400 KEY Club
1200–1500 Student Meet and Greet
1300–1430 International Faculty Session
1300–1700 Drilling Systems Automation Technical Section Symposium
1600–1730 25-Year Club/Distinguished Lecturer Reception
1700–1800 Section and Student Chapter Award Reception
1830–2100 Research and Development Technical Section Dinner

USD 100 discount on full registration when you register by 4 September 2017

TUESDAY, 10 OCTOBER
0730–1700 Registration
0730–1700 Student Paper Contests: Undergraduate, Masters and PhD Divisions
0800–1600 KEY Club
0830–1155 Technical Sessions and Special Sessions
0830–1200 Soft Skills Session I
0830–1700 Startup Village
0900–1730 Exhibition
1000–1200 JPT® Editorial Committee Meeting
1010–1040 Knowledge Sharing ePosters
1010–1040 Coffee Break on Exhibition Floor
1130–1330 Expo Luncheon on Exhibition Floor
1200–1330 Student Awards Luncheon
1215–1345 Topical Luncheon: R&D Technical Section
1215–1345 Topical Luncheon: Wellbore Positioning
1300–1630 Soft Skills Session II
1400–1700 Technical Sessions and Special Sessions
1500–1800 Career Pathways Fair
1515–1545 Knowledge Sharing ePosters
1515–1545 Coffee Break on Exhibition Floor
1630–1730 Reception on Exhibition Floor
1800–2000 Young Member Reception
1830–2200 Annual Reception and Banquet

MONDAY, 9 OCTOBER
0700–1700 Registration
0700–1800 PetroBowl® Championship
0800–1600 KEY Club
0900–0930 Coffee Break on Exhibition Floor
0900–1800 Exhibition
1030–1200 Opening General Session
1215–1345 Chairperson’s Luncheon
1400–1700 Technical Sessions and Special Sessions
1515–1545 Knowledge Sharing ePosters
1700–1800 Welcome Reception on Exhibition Floor
1730–1900 University Alumni Receptions
1830–2100 Petroleum Data-Driven Analytics (PD2A) Technical Section Dinner
1830–2100 CO2, Capture, Utilization and Storage (CCUS) Technical Section Dinner

WEDNESDAY, 11 OCTOBER
0730–1400 Registration
0730–1400 KEY Club
0800–1330 Energy4me Student Workshop
0800–1400 Energy4me Teacher Workshop
0830–1155 Technical Sessions and Special Sessions
0830–1200 Student Communication Skills Workshop
0900–1400 Exhibition
1010–1040 Coffee Break on Exhibition Floor
1010–1040 Knowledge Sharing ePosters
1200–1345 President’s Luncheon and Annual Meeting of Members
1400–1700 Technical Sessions and Special Sessions

THURSDAY, 12 OCTOBER
0700–0800 SPE Training Course Registration
0800–1700 SPE Training Courses

For up-to-date information, visit www.spe.org/go/PreviewATCE. Schedule of events current as of 31 May 2017 (subject to change).
Exhibit, Sponsor, and Advertise

Exhibit space is limited, but good locations are still available.
Spend three days with the industry’s top buyers and decision makers when your company exhibits at ATCE 2017. Be among the 300+ exhibitors who will showcase the latest technologies, innovative product launches, and essential services. Secure your spot today, while exhibit space is still available.

Increase customer impact with sponsorship
The value of sharing your organization’s name and brand with attendees at SPE’s premier annual event, ATCE 2017, is immeasurable. In addition to promotional sponsorships designed to increase your company’s exposure, event sponsorships are also available to reach a particular demographic or technical group.

Drive sales and expand visibility with advertising
Position your brand in front of attendees from around the world as they discover the latest E&P innovations at ATCE. Such extensive, targeted opportunities for exposure with your key customer audiences make ATCE one of the most sought-after events for exhibitors, sponsors, and advertisers alike.

To learn more about these opportunities, visit www.spe.org/go/2017ATCE or contact your sales representative.
SUNDAY, 8 OCTOBER

Leadership Workshop
0800–1700
Section and Student Chapter leaders engage and share in a fun-filled day focused on creating the best member experience. Attendees leave energized with ideas and a support network of fellow leaders. Those participating in this workshop have consistently been recognized as the best in SPE.

Student Meet and Greet
1200–1500
Make friends from around the world in the lead-up to ATCE. Special activities at this event help you meet and network with fellow students while learning some valuable skills from guest speakers.

International Faculty Session
1300–1430
This session will address the ongoing issues related to the quality and quantity of petroleum engineering graduates.

Drilling Systems Automation Technical Section Symposium
1300–1700
SPE’s Drilling Systems Automation Technical Section (DSATS), will host a symposium focusing on innovation as a driver of automation uptake and reduction of drilling uncertainty and how radical ideas can successfully be brought to market.

25-Year Member/Distinguished Lecturer Reception
1600–1730
The 25-Year Club/Distinguished Lecturer Reception will feature welcome remarks from the Membership Committee and the Distinguished Lecturer Committee, and a chance to kick off ATCE in San Antonio networking with your colleagues.

Section and Student Chapter Award Reception
1700–1800
Leaders of President Award winning sections and outstanding student chapters are invited to join the SPE board in celebration of their great accomplishments.

R&D Technical Section Dinner
1830–2100
Attend this annual dinner to hear keynotes from senior executives from the research arena. Network with fellow research professionals and executives and engage in thought-provoking discussions.
MONDAY, 9 OCTOBER

Petrobowl® Championship
0700–1800
ATCE’s most competitive event, the PetroBowl Championship, pitches SPE Student Chapter teams against each other in a series of quick-fire rounds, answering technical and nontechnical industry-related questions.

How To Write a Good Abstract
0800–0845
In an effort to assist authors submit their best papers to conferences and journals, SPE is offering a free 45-minute session on how to write an abstract. In this session we will cover basics within the abstract process along with how to effectively construct your abstract.

Officer Resource Training
0800–1700
Section and Student Chapter leaders are invited to receive hands-on system and program training from staff experts.

How To Write a Good Technical Paper
0900–0945
SPE is committed to helping authors submit their best possible paper to conferences and journals. This free 45-minute session will be covering the basic methods on how to write a good technical paper.

Opening General Session
Sustainable Oil and Gas: Improving People’s Lives
1030–1200
Senior executives will address the industry’s responsibility to provide affordable and environmentally sustainable energy for the world.

Chairperson’s Luncheon
1215–1345
The ATCE 2017 General Chair, Vicki Hollub, of Occidental Petroleum, will share her insights on the oil and gas industry.

Special Session 1—Sustainable Development Technical Section: United Nations Sustainable Development Goals and the Oil and Gas Industry
1400–1700
This session will bring together experts who know both sustainability and the oil and gas sector. It will engage the audience and equip them to consider how they can connect to sustainability goals in their daily operations and in the coming years.

Welcome Reception
1700–1800

University Alumni Receptions
1730–1900
Many universities have scheduled alumni receptions to coincide with ATCE 2017. These events provide excellent opportunities for attendees to visit and get reacquainted with old friends, and build new relationships with other professionals.

CO₂ Capture, Utilization and Storage (CCUS) Technical Section Dinner
1830–2100
The CCUS Technical Section invites you to its first ATCE dinner where key speakers from academia, industry, and government will discuss how SPE members can play a great role to scale-up CCUS projects that will sustain carbon-based fuel demand during the energy transition.

Petroleum Data-Driven Analytics (PD²A) Technical Section Dinner
1830–2100
Attend this annual event to hear a keynote presentation from Doug Lenat, CEO of Cycorp, Inc. He is an authority on artificial intelligence, machine learning knowledge representation, blackboard systems, and ontological engineering. Join fellow professionals and technical section members to network and discuss these exciting topics.
**TUESDAY, 10 OCTOBER**

**Student Paper Contests: Undergraduate, Masters, and PhD Divisions**

0730–1700
Watch the winning presentations from the regional Student Paper Contests while they compete for the international prize. Contests take place across three rooms for Undergraduate, Masters and PhD divisions.

**Special Session 2—SPE Technical Directors: State-of-the-Technical Discipline—A Conversation With Your SPE Technical Directors**

0830–1155
The SPE Technical Directors will provide a “state-of-the-discipline” update for the society’s seven technical disciplines. Topics include urgent challenges, what is new and improved, future required resources and more.

**Special Session 3—Separations Technology Technical Section: Separation Insanity—Designing the Way We Always Have To Meet Future Requirements**

0830–1155
The session will provide a forum to focus on chemicals, flow conditioning, full life operating envelopes, and production fluid changes which affect facilities operations.

**Startup Village**

0830–1700
SPE, in partnership with the Rice Alliance, is hosting an event showcasing emerging energy companies. Eligible companies will compete for prize money, followed by afternoon discussions about building startups.

**Soft Skill Session 1—Intrinsic Motivation**

0830–1200
Speaker Giovanni Paccaloni will discuss the sources, rewards, and outcomes of intrinsic motivation, as well as the huge impact of intrinsic motivation on personal and professional growth, career development, and outstanding business results.

**JPT® Editorial Committee Meeting**

1000–1200
At the annual meeting of JPT® magazine, reviewers will discuss paper statistics, best practices, feedback, and new ideas.

**Expo Luncheon**

1130–1330

**Wellbore Positioning Technical Section Topical Luncheon—How Does Positional Uncertainty Affect Drilling Automation?**

1215–1345
Moderator: Robert Wylie, President, xnDrilling
The ISCWSA has developed methods of dealing with survey measurement uncertainties, but what does this mean in “Real Time?” These positional uncertainties also impact other aspects of Drilling Systems Automation, such as ROP determination and correlations with subsurface models. Is there a solution?”

**R&D Technical Section Topical Luncheon**

Evolving Technology landscape in the O&G: A view from Industry CTOs

1215–1345
Attend this event to hear keynotes from a panel of CTOs discussing the future of R&D. Network with top professionals in the field and interchange ideas and discussions.

---

“ATCE was an important opportunity to get together, be motivated, and energized for the rebound.”

—ATCE 2015 Attendee, Engineer from North America, and SPE Member
**TUESDAY, 10 OCTOBER** (Continued)

**Soft Skill Session 2–How To Succeed During the Industry Downturn**

1300–1630

Featuring speaker, Lori Dalrymple, this workshop focuses on the primary aspects of teamwork, leadership, and negotiation, and briefly highlights a few other key skills to navigate the industry during this difficult time.

**Special Session 4–Flow Assurance Technical Section: The Smarter Flow Assurance Path Toward Improved Offshore Production Economics**

1400–1700

This panel session will explore opportunities for flow assurance to help decrease costs and make offshore projects more competitive with onshore and unconventional projects.

**Special Session 5–Reservoir Description and Dynamics Advisory Committee: Emerging Topics in Reservoir Description and Dynamics**

1400–1700

In this special session we will focus on near-term solutions for common challenges encountered within reservoir description and dynamics.

**Special Session 6–Women in the Industry: Own Your Future**

1400–1700

This workshop will feature two keynote speakers along with tabletop discussions such as how to speak like a boss, selecting a managerial track, financial acumen, and negotiation. Conducted by the newly formed Women in Energy committee, this session is open to men and women.

**Career Pathway Fair**

1500–1800

This event will provide an opportunity for both students and young professionals to speak with those already working in different careers in oil and gas. Speak with experienced and recent specialists to find the answers you really want to know and put you on the right direction for your career.

**Reception on Exhibit Floor**

1630–1730

**Young Member Reception**

1800–2000

Following directly from the Career Pathways Fair, this is a chance for all young members to meet in a more informal setting with networking activities hosted by the Young Member Engagement Committee.

**Annual Reception and Banquet**

1830–2200

Join us to celebrate key successes within SPE and the oil and gas industry as a whole. The Annual Banquet recognizes outstanding SPE members who have made significant contributions to the industry.
WEDNESDAY, 11 OCTOBER

Energy4me Student Workshop
0800–1330

Energy4me Teacher Workshop
0800–1400

Student Communication Skills Workshop
0830–1200
This workshop will give students the opportunity to work in a small group to hone their networking abilities and refine their communication skills. Activities aim to develop insight into working in a truly global industry, from cultural implications to practical advice for the workplace.

Special Session 7–SPE Talent Taskforce: Managing the Oil Industry Cycles
0830–1155
The SPE Talent Taskforce will hold a panel discussion on managing the cycles, how to become the hired talent, and how to attract a diverse workforce.

Special Session 8–TAMEST: Environmental and Community Impacts of Shale Oil and Gas Development in Texas—A Peer Reviewed Scientific Report
0830–1155
Discover what is known about environmental and community impacts of shale development in Texas. This session will discuss the findings for studies related to air, waters, seismicity, land use, transportation, and society.

President’s Luncheon and Annual Meeting of Members
1200–1345
ATCE wraps up with a favorite tradition showcasing 2017 SPE President Janeen Judah’s presentation on new achievements at SPE and upcoming initiatives. Notable volunteers and award-winning SPE Sections will also be recognized, and attendees will have the opportunity to meet SPE Board members and 2018 SPE President Darcy Spady.

Special Session 9–Production and Operations Advisory Committee: Can Unmanned Vehicles and Robotics Create a Step Change in the Oil Industry?
1400–1700
ROVs are used to monitor the environment on land, sea, and air to improve efficiency of operations, enhance asset integrity, and minimize exposure of personnel to dangerous environments.

Special Session 10–HSSE Advisory Committee: Stakeholder Challenges for Infrastructure Development
1400–1700
A panel of experts will focus on difficulties, delays, and cost for energy transportation routes. The impact that it is making, due to the current approval process, needs to be streamlined.
Covering more than 150,000 square feet, the ATCE exhibit floor presents the industry’s leading companies in the E&P marketplace. 300 exhibitors will showcase the latest technologies, new product launches, and valuable industry services.

The exhibition at ATCE 2017 will feature

- Easy access to the technical session rooms
- Refreshments at hospitality areas throughout the event
- Conference content delivered within the exhibition area
**TECHNICAL SESSIONS**
(As of 31 May 2017)

Visit [www.spe.org/go/PreviewATCE](http://www.spe.org/go/PreviewATCE) for more details on the technical sessions.

### MONDAY, 9 OCTOBER | 1030–1200

**Opening General Session:** Sustainable Oil and Gas—Improving People’s Lives  
**Speakers:** Franklin M. Orr, Stanford University  
David Hager, Devon Energy  
Lorenzo Simonelli, GE Oil and Gas  
Mohammed Yahya Al-Qahtani, Saudi Aramco

### MONDAY, 9 OCTOBER | 1215–1345

**Chairperson’s Luncheon**

### MONDAY, 9 OCTOBER | 1400–1700

Special Session 1  
**Sustainable Development Technical Section:** United Nations Sustainable Development Goals and the Oil and Gas Industry

<table>
<thead>
<tr>
<th>Session 01</th>
<th>STATIC RESERVOIR MODELLING INNOVATIVE MULTI-DISCIPLINARY APPROACHES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Session 02</td>
<td>ADVANCED TECHNOLOGIES AND INTERPRETATION IN PRODUCTION MONITORING</td>
</tr>
<tr>
<td>Session 03</td>
<td>WELL INTERVENTION: BEST PRACTICES AND CASE HISTORIES</td>
</tr>
<tr>
<td>Session 04</td>
<td>SAND CONTROL</td>
</tr>
<tr>
<td>Session 05</td>
<td>FLUIDS</td>
</tr>
<tr>
<td>Session 06</td>
<td>FRAC MODELING: FROM INJECTION TEST TO TREATMENT SIMULATION</td>
</tr>
<tr>
<td>Session 07</td>
<td>DECISION MAKING AND PORTFOLIO</td>
</tr>
<tr>
<td>Session 08</td>
<td>WELL TESTING AND MODELLING</td>
</tr>
<tr>
<td>Session 09</td>
<td>PVT AND GAS EOR</td>
</tr>
<tr>
<td>Session 10</td>
<td>FLOW ASSURANCE</td>
</tr>
</tbody>
</table>

---

**Technical Discipline Icons**

It’s easy to find the right technical sessions to attend at ATCE. Look for the icon related to your area of expertise and find a session, training course, or special event that could have information related to your job. While we know some activities are relevant to professionals of many disciplines, we’ve selected the one that fits most closely within.

- **Completions:** Includes completion design and installation, intelligent wells, sand control, hydraulic fracturing, acidizing and stimulation, and well integrity
- **Drilling:** Covers topics from well planning and wellbore design through drilling equipment, systems and operations to casing and cementing
- **Health, Safety, Security, Environment, and Social Responsibility:** Comprises core HSE topics as well as research and sustainability issues
- **Management and Information:** Ranges from information systems and data use to strategic planning and energy economics
- **Production and Operations:** Focuses on topics including design, enhancement, monitoring, and management
- **Projects, Facilities, and Construction:** Includes topics such as processing, flow assurance, and subsea systems as well as measurement and control, platforms and floating systems, and facilities operation
- **Reservoir Description and Dynamics:** Includes simulation and formation evaluation, along with unconventional and enhanced recovery processes
### TECHNICAL SESSIONS
(As of 31 May 2017)

Visit [www.spe.org/go/PreviewATCE](http://www.spe.org/go/PreviewATCE) for more details on the technical sessions.

**TUESDAY, 10 OCTOBER | 0830–1155**

Special Session 2  **SPE Technical Directors:** State-of-the-Technical Discipline—A Conversation With Your SPE Technical Directors

Special Session 3  **Separations Technology Technical Section:** Separation Insanity—Designing the Way We Always Have To Meet Future Requirements

<table>
<thead>
<tr>
<th>Session 11</th>
<th>1</th>
<th>PETROLEUM EDUCATION AND METHODS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Session 12</td>
<td>1</td>
<td>DRIVING SUSTAINABLE VALUE FROM DIGITAL ENERGY REVOLUTION</td>
</tr>
<tr>
<td>Session 13</td>
<td>1</td>
<td>NEW TECHNIQUES TO BETTER KNOW YOUR RESERVOIR</td>
</tr>
<tr>
<td>Session 14</td>
<td>1</td>
<td>INTEGRATED SIMULATION TECHNOLOGY—NOVEL TECHNIQUES, WORKFLOWS, AND APPLICATIONS</td>
</tr>
<tr>
<td>Session 15</td>
<td>1</td>
<td>ADVANCES IN DIRECTIONAL DRILLING INNOVATIONS</td>
</tr>
<tr>
<td>Session 16</td>
<td>1</td>
<td>FRACTURING FLUID AND PROPPANT TECHNOLOGY</td>
</tr>
<tr>
<td>Session 17</td>
<td>1</td>
<td>HEALTH, SAFETY AND SECURITY INNOVATION</td>
</tr>
<tr>
<td>Session 18</td>
<td>1</td>
<td>NEW AND INNOVATIVE WELL LOGGING TECHNOLOGIES</td>
</tr>
<tr>
<td>Session 19</td>
<td>1</td>
<td>FLOW MECHANISMS IN POROUS MEDIA</td>
</tr>
</tbody>
</table>

**TUESDAY, 10 OCTOBER | 1400–1700**

Special Session 4  **Flow Assurance Technical Section:** The Smarter Flow Assurance Path Toward Improved Offshore Production Economics

Special Session 5  **Reservoir Description and Dynamics Advisory Committee:** Emerging Topics in Reservoir Description and Dynamics

Special Session 6  **Women in the Industry:** Own Your Future

<table>
<thead>
<tr>
<th>Session 20</th>
<th>1</th>
<th>MID-CAREER PROFESSIONAL DEVELOPMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Session 21</td>
<td>1</td>
<td>ADVANCES IN MULTIPHASE FLOW MODELING OF WELLBORES AND PIPES</td>
</tr>
<tr>
<td>Session 22</td>
<td>1</td>
<td>VALUE IN RESERVES AND RESOURCES</td>
</tr>
<tr>
<td>Session 23</td>
<td>1</td>
<td>COMPLETION OPTIMIZATION</td>
</tr>
<tr>
<td>Session 24</td>
<td>1</td>
<td>DRILLING CHALLENGES AND SOLUTIONS</td>
</tr>
<tr>
<td>Session 25</td>
<td>1</td>
<td>RE-FRACTURING AND ACID STIMULATION</td>
</tr>
<tr>
<td>Session 26</td>
<td>1</td>
<td>ENVIRONMENT AND SUSTAINABILITY</td>
</tr>
<tr>
<td>Session 27</td>
<td>1</td>
<td>FLUID PHASE BEHAVIOR AND APPLICATIONS</td>
</tr>
<tr>
<td>Session 28</td>
<td>1</td>
<td>CHEMICAL EOR</td>
</tr>
</tbody>
</table>
**WEDNESDAY, 11 OCTOBER | 0830–1155**

Special Session 7  **SPE Talent Taskforce:** Managing the Oil Industry Cycles

Special Session 8  **TAMEST:** Environmental and Community Impacts of Shale Oil and Gas Development in Texas—A Peer Reviewed Scientific Report

<table>
<thead>
<tr>
<th>Session</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Session 29</td>
<td>PROJECTS, FACILITIES AND SYSTEM DESIGN</td>
</tr>
<tr>
<td>Session 30</td>
<td>PETROLEUM ADVANCED ANALYTICAL METHODOLOGIES FOR WELL AND RESERVOIR OPTIMIZATION</td>
</tr>
<tr>
<td>Session 31</td>
<td>UNCONVENTIONALS</td>
</tr>
<tr>
<td>Session 32</td>
<td>ADVANCED WELL-LIFE TECHNOLOGY FROM DRILLING TO P&amp;A</td>
</tr>
<tr>
<td>Session 33</td>
<td>WELLBORE STABILITY/MPD</td>
</tr>
<tr>
<td>Session 34</td>
<td>APPLICATIONS OF WELL STIMULATION TECHNOLOGY</td>
</tr>
<tr>
<td>Session 35</td>
<td>THE 3 FS OF RESERVOIR GEOLOGY &amp; GEOPHYSICS: FLUIDS, FAULTS AND FRACTURES</td>
</tr>
<tr>
<td>Session 36</td>
<td>ADVANCES IN RESERVOIR CHARACTERIZATION AND DESCRIPTION</td>
</tr>
<tr>
<td>Session 37</td>
<td>NEW ADVANCES IN UNCONVENTIONAL TRANSPORT AND EOR</td>
</tr>
</tbody>
</table>

**WEDNESDAY, 11 OCTOBER | 1400–1700**

Special Session 9  **Production and Operations Advisory Committee:** Can Unmanned Vehicles and Robotics Create a Step Change In the Oil Industry?

Special Session 10  **HSSE Advisory Committee:** Stakeholder Challenges For Infrastructure Development

<table>
<thead>
<tr>
<th>Session</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Session 38</td>
<td>PROCESS AND MONITORING</td>
</tr>
<tr>
<td>Session 39</td>
<td>PRODUCTION OPTIMIZATION</td>
</tr>
<tr>
<td>Session 40</td>
<td>ARTIFICIAL LIFT: APPLICATIONS AND CASE HISTORIES</td>
</tr>
<tr>
<td>Session 41</td>
<td>FLOW CONTROL AND MEASUREMENT</td>
</tr>
<tr>
<td>Session 42</td>
<td>ZONAL ISOLATION / WELLBORE INTEGRITY</td>
</tr>
<tr>
<td>Session 43</td>
<td>ENHANCED OIL RECOVERY (EOR) MECHANISMS</td>
</tr>
<tr>
<td>Session 44</td>
<td>NOVEL APPLICATION OF GEOPHYSICAL TECHNIQUES TO MONITOR RESERVOIR PERFORMANCE</td>
</tr>
<tr>
<td>Session 45</td>
<td>LATEST DEVELOPMENTS IN FORMATION TESTING</td>
</tr>
<tr>
<td>Session 46</td>
<td>RECOVERY PROCESS FOR CHALLENGING ROCK-FLUID SYSTEMS</td>
</tr>
</tbody>
</table>
SPE works with recognized experts in their fields to develop training courses covering a wide range of industry topics. Participants receive 0.8 Continuing Education Units (CEUs) for one-day courses and 1.6 CEUs for two-day courses.

All SPE Training Courses will be held at the Henry B. Gonzalez Convention Center. Registration fees for training courses are in addition to conference fees and on a per-course basis. Some training courses require special materials and/or equipment.

**SATURDAY AND SUNDAY, 7–8 OCTOBER | 0800–1700**

<table>
<thead>
<tr>
<th>TWO-DAY TRAINING COURSES</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deepwater Drilling and Production Technology</td>
<td>Terry Gardner</td>
</tr>
<tr>
<td>Water Treating for Hydraulic Fracturing</td>
<td>John Walsh and Kris Bansal</td>
</tr>
<tr>
<td>Forecasting Well Production Data in Unconventional Resources</td>
<td>Dilhan Ilk</td>
</tr>
<tr>
<td>Hydraulic Fracturing—Design and Treatment</td>
<td>Carl Montgomery</td>
</tr>
<tr>
<td>Intelligent Wells, ICDs and AICDs: Petroleum Aspects of Advanced Completion Technology</td>
<td>Mike Konopczynski</td>
</tr>
<tr>
<td>Optimizing the Value of Oil and Gas Fields From Inception to Abandonment</td>
<td>Alok Jain</td>
</tr>
<tr>
<td>An Overview of Microseismic Imaging of Hydraulic Fracturing</td>
<td>Ken Mahrer</td>
</tr>
<tr>
<td>Production Forecast and Reserves Estimates in Unconventional Resources</td>
<td>John Lee</td>
</tr>
<tr>
<td>Shale Selection, Completions, Fracturing, and Production</td>
<td>George King</td>
</tr>
<tr>
<td>Review for the Principles and Practice Exam</td>
<td>Bob Chase and Richard Hughes</td>
</tr>
<tr>
<td>A Systematic Approach to Water Management in Unconventional Reservoirs While Doing Surface Field Development Planning</td>
<td>Lorenzo Hernandez</td>
</tr>
<tr>
<td>Artificial Lift and Production Optimization Solutions</td>
<td>Rajan Chokshi</td>
</tr>
</tbody>
</table>
### SATURDAY, 7 OCTOBER | 0800–1700

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Development Economics</td>
<td>Paul Baron</td>
</tr>
<tr>
<td>Coiled Tubing and Its Applications</td>
<td>Ed Smalley</td>
</tr>
</tbody>
</table>

### SUNDAY, 8 OCTOBER | 0800–1700

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modern Production Data Analysis for Unconventional Reservoirs</td>
<td>Dave Anderson</td>
</tr>
<tr>
<td>Flow Assurance-Managing Flow Dynamics and Production Chemistry</td>
<td>Abul Jamaluddin</td>
</tr>
</tbody>
</table>

### THURSDAY, 12 OCTOBER | 0800–1700

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enhanced Oil Recovery Fundamentals</td>
<td>Larry Lake</td>
</tr>
<tr>
<td>Re-Fracturing – Candidate Selection and Design</td>
<td>Michael B. Smith</td>
</tr>
<tr>
<td>Rigless Intervention Best Practices for Coiled Tubing, Slickline, and Wireline</td>
<td>Todd Green and Ron Zbitowsky</td>
</tr>
<tr>
<td>Horizontal Well Completions</td>
<td>Sid Banerjee and Aaron Burton</td>
</tr>
<tr>
<td>Overview of Subsea Well Abandonment</td>
<td>Bart Joppe and Darin Hilton</td>
</tr>
<tr>
<td>Shale and Tight Reservoir Evaluation &amp; Development</td>
<td>Steve Hennings</td>
</tr>
<tr>
<td>The Sustainability Imperative: Making the Case and Driving Change</td>
<td>Linda Battalora and Flora Moon</td>
</tr>
<tr>
<td>Critical Geomechanics Concepts and Applications to Unconventional Completions</td>
<td>Neal Nagel and Marisela Sanchez-Nagel</td>
</tr>
<tr>
<td>Quality Control Techniques for Reviewing Prospects and Acquisitions</td>
<td>Robert C. Shoup</td>
</tr>
<tr>
<td>Introduction to Valuing Information in Unconventional Resources</td>
<td>Kent Burkholder and Ellen Coopersmith</td>
</tr>
</tbody>
</table>
Advance Registration

SPE Members Receive a Registration Discount!

Not an SPE member? Join today at www.spe.org/go/joinspe.

Already a member? Renew today at www.spe.org/renew.

3 Easy Ways To Register:

1. **ONLINE**
   
   www.spe.org/go/PreviewATCE
   
   Online registration will remain open until the final day of the conference.

2. **FAX** +1.301.694.5124
   
   Request registration form from registration@spe.org

3. **EMAIL**
   
   Write registration@spe.org and reference the name of the registrant and 17ATCE in the subject line.

Wire transfers must be made prior to 4 September 2017. Please instruct your bank to include your name, and reference 17ATCE.

If you have already registered and need to purchase additional tickets, please call Experient Customer Service at 888.269.6829 and international +1.847.996.5828 Monday through Friday, 0800 to 1700 hours Central Time.

BADGE PICKUP

Badges will be available for pick-up on-site at the registration counters at the Henry B. Gonzalez Convention Center. Please be prepared to show government-issued photo ID (passport or driver’s license) to pick up your conference badge Thursday, 5 October to Sunday, 8 October 0800-1700 hours. Or during registration hours the days of the event (9–11 October).

COPYRIGHT INFORMATION

All SPE sessions are protected by US copyright laws. Photography and audiovisual recording of any kind are strictly prohibited in the sessions and throughout the exhibition area.

CANCELLATION POLICY

Cancellations must be submitted in writing to receive a refund prior to 27 September 2017. For cancellations received after 27 September 2017, no refunds will be paid although substitutions may be made. Please send requests by email at atce@experient-inc.com or fax +1.301.694.5124.

<table>
<thead>
<tr>
<th><strong>Full Registration</strong></th>
<th><strong>By 4 September</strong></th>
<th><strong>After 4 September</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Member</td>
<td>$75 USD</td>
<td>$775 USD</td>
</tr>
<tr>
<td>Members 65 and Older</td>
<td>$350 USD</td>
<td>$350 USD</td>
</tr>
<tr>
<td>Nonmember</td>
<td>$875 USD</td>
<td>$975 USD</td>
</tr>
<tr>
<td>Presenting Author</td>
<td>$450 USD</td>
<td>$550 USD</td>
</tr>
<tr>
<td>Spouse</td>
<td>$75 USD</td>
<td>$85 USD</td>
</tr>
<tr>
<td>University Student**</td>
<td>$75 USD</td>
<td>$85 USD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Exhibition Only</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>One Day</td>
<td>$150 USD</td>
</tr>
<tr>
<td>Two Day</td>
<td>$250 USD</td>
</tr>
<tr>
<td>Three Day</td>
<td>$350 USD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>1-Day Registration</strong></th>
<th><strong>By 4 September</strong></th>
<th><strong>After 4 September</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Sessions and Exhibition—Member</td>
<td>$375 USD</td>
<td>$425 USD</td>
</tr>
<tr>
<td>Technical Sessions and Exhibition—Nonmember</td>
<td>$475 USD</td>
<td>$525 USD</td>
</tr>
</tbody>
</table>

* Full-conference registration includes admittance to the technical sessions, exhibition, receptions on the exhibition floor, coffee breaks, and one copy of the conference proceedings. For all other types of registration, the proceedings may be purchased separately (USD 200 for members, USD 350 for nonmembers).

** University students must show a valid student ID to register. If you register online, you will have to show an ID when you pick up your badge on-site.

<table>
<thead>
<tr>
<th><strong>1-Day Training Courses</strong></th>
<th><strong>Does not include access to ATCE.</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Member</td>
<td>$750 USD</td>
</tr>
<tr>
<td>Nonmember</td>
<td>$950 USD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>2-Day Training Courses</strong></th>
<th><strong>Does not include access to ATCE.</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Member</td>
<td>$1,400 USD</td>
</tr>
<tr>
<td>Nonmember</td>
<td>$1,150 USD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Ticketed Events</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>25 Year Member and Distinguished Lecturer Reception</td>
</tr>
<tr>
<td>Annual Reception and Banquet</td>
</tr>
<tr>
<td>Annual Reception and Banquet (student)</td>
</tr>
<tr>
<td>CCUS Technical Section Dinner</td>
</tr>
<tr>
<td>Chairperson’s Luncheon</td>
</tr>
<tr>
<td>DSATS Symposium and Reception</td>
</tr>
<tr>
<td>How To Write a Good Abstract</td>
</tr>
<tr>
<td>How To Write a Good Technical Paper</td>
</tr>
<tr>
<td>PD’A Technical Section Dinner</td>
</tr>
<tr>
<td>President’s Luncheon</td>
</tr>
<tr>
<td>R&amp;D Technical Section Dinner</td>
</tr>
<tr>
<td>R&amp;D Technical Section Topical Luncheon</td>
</tr>
<tr>
<td>Softskill Session 1: Intrinsic Motivation</td>
</tr>
<tr>
<td>Softskill Session 2: How To Succeed During the Industry Downturn</td>
</tr>
<tr>
<td>Start-Up Village</td>
</tr>
<tr>
<td>Student General Session and Awards</td>
</tr>
<tr>
<td>Wellbore Positioning Technical Section Topical Luncheon</td>
</tr>
</tbody>
</table>

SPE Members Receive a Registration Discount!

Not an SPE member? Join today at www.spe.org/go/joinspe.

Already a member? Renew today at www.spe.org/renew.
Accommodations

The SPE headquarters hotel is the Grand Hyatt San Antonio, next door to the Convention Center. SPE has also secured rooms within walking distance to the Convention Center or will have shuttle service available, on show days.

<table>
<thead>
<tr>
<th>Hotels</th>
<th>Distance From Convention Center</th>
<th>Single Room Rate (USD) Estimated 2017 rates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grand Hyatt San Antonio*</td>
<td>next door</td>
<td>USD 269</td>
</tr>
<tr>
<td>Hilton Palacio Del Rio*</td>
<td>1 block</td>
<td>USD 259</td>
</tr>
<tr>
<td>Hotel Valencia Riverwalk</td>
<td>8 blocks</td>
<td>USD 235</td>
</tr>
<tr>
<td>Hyatt Regency San Antonio</td>
<td>2 blocks</td>
<td>USD 229</td>
</tr>
<tr>
<td>Marriott San Antonio Rivercenter*</td>
<td>1 block</td>
<td>USD 249</td>
</tr>
<tr>
<td>Marriott San Antonio Riverwalk*</td>
<td>directly across street</td>
<td>USD 259</td>
</tr>
<tr>
<td>Mokara Hotel &amp; Spa San Antonio</td>
<td>10 blocks</td>
<td>USD 284</td>
</tr>
<tr>
<td>Omni La Mansion del Rio</td>
<td>8 blocks</td>
<td>USD 249</td>
</tr>
<tr>
<td>Westin Riverwalk*</td>
<td>5 blocks</td>
<td>USD 249</td>
</tr>
</tbody>
</table>

Information is subject to change.
* Shuttle service is not provided from these hotels.


Access to our vast collection of technical resources is just one of many benefits of membership.

Join the Society of Petroleum Engineers, a not-for-profit professional association that serves a growing worldwide membership in the E&P industry. SPE is a key resource for technical knowledge providing publications, events, training courses, and online resources.

To learn more and become a member, visit www.spe.org/join.

Join SPE. Stay relevant.
Register Now!

USD 100 discount on full registration when you register by 4 September 2017.

Register at www.spe.org/go/PreviewATCE