



Society of Petroleum Engineers

11–12 June 2015 | Bengaluru Marriott Hotel Whitefield, India

Register Today!

WORKSHOP

SPE Young Professionals Workshop: The Future is Now



Who Should Attend

The workshop is primarily aimed at young professionals. A young professional is any professional aged 36 or less and/or currently works in the energy sector with no more than 10 years experience.

Why Should You Attend

- To Interact
- To Network
- To Be Aware

Committee Members

Chairperson
Peter Nilsson
Shell

Co-Chairperson
Abhinandan Kohli
Shell

Advisor
John Hoppe
Shell

Sugandh Aggarwal
BG Group

Ravi Chaudhary
ONGC

Chetan Chavan
Shell

Mohamed Fiazudeen
Cairn India

Baijayanta Ghosh
Schlumberger

Vikash Maheshwari
OFI

Aditya Mukerjee
SK Oilfield

Chanpreet Sahni
Halliburton

Kaladhar Sharma
Cairn India

Devvrat Singh Rathore
FMC Technologies

Sugandha Thapliyal
Reliance Industries

Narayan Datta Tiwari
ONGC

Saloma Yamdo
Oil India

Workshop Description

The oil and gas industry is at the threshold of a challenging, yet exciting future. An ever growing energy demand, accompanied by the depletion of available resources pose a complicated energy puzzle before the industry, which has to be addressed by the leaders of tomorrow. Interactions with oil and gas experts will therefore make Young Professionals (YPs) aware of their roles in the formulation of an effective energy solution hovering around technology, energy security and sufficiency.

This workshop, with its theme 'The Future is Now', aims to promote interactions which will ensure that when the time comes, the baton of leadership can be passed on to the next generation without any disruption of business. This workshop, with its nine sessions, has been designed to create awareness amongst the attending YPs regarding a variety of aspects of the industry, ranging from business strategies to technological advancements to provide a comprehensive picture of the E&P industry.

This workshop focuses on the idea of youth engagement in the designing of a sustainable energy future by engaging future leaders in a two-way discourse with veterans of the industry. The YPs can also discover the tricks of confronting future challenges through the exchange of technical know-how with their seniors. Knowledge sharing can help in developing solutions to satisfy a growing energy demand in a more efficient, safe and environmentally-responsible manner. This workshop is part of the endeavour to develop a reliable bench-strength of qualified and diligent young minds, ready to take up leadership roles in the future.

www.spe.org/events/15ypba

WORKSHOP

SPE Young Professionals Workshop: The Future is Now

Supporting the Event

Supporting the event helps offset the cost of producing workshops and allows SPE to keep the attendance price within reach of operations-level individuals, those who benefit most from these technical workshops.

Supporters benefit both directly and indirectly by having their names associated with a specific workshop.

While SPE prohibits any type of commercialism within the conference hall itself, the society recognises that supporting companies offer valuable information to attendees outside the technical sessions.

Supporter Categories

Please contact SPE to verify the availability of a particular category. Existing supporters have the opportunity to renew the same level of support for annual workshops. Supporter packages remaining are as follows:

- Platinum Supporter
- Gold Supporter
- Silver Supporter
- Bronze Supporter
- Gala Dinner Entertainment Supporter
- Speaker Gifts Supporter
- Lanyards Supporter
- Workshop Luncheons—Per Day
- Workshop Coffee Breaks—Per Day
- Audio-Visual Equipment Supporter

Supporter Benefits

In addition to onsite recognition, SPE will recognise supporters on the SPE website and in all printed material for the workshop. Based on the category selected, supporting companies can also receive a selected number of complimentary local registrations.

For More Information

For a detailed list of available categories, including benefits and pricing, contact Jackie Hoffmann at jhoffmann@spe.org.

**REGISTRATION
DEADLINE:
11 MAY 2015**

Gold Supporter



Thursday, 11 June 2015

0800–0830 hours	Registration and Welcome Coffee
0830–0840 hours	Opening Remarks by Committee Chairperson, Peter Nilsson, Shell
0840–0900 hours	Keynote Speech

0900–1010 hours Session 1: Understanding the Oil and Gas Business: Geopolitics, Pricing, and the Way Forward Session Chairs: **Ravi Chaudhary**, ONGC; **Baijayanta Ghosh**, Schlumberger

The oil and gas industry is a volatile business environment, wherein the risks are high but so are the rewards, hence it is imperative for YPs to appreciate its dynamics. Crude prices took a nose dive in the recent past in the wake of healthy production from both OPEC and non-OPEC countries, along with the US shale boom. Supply-demand dynamics and geopolitics are two key factors affecting petroleum pricing. Geopolitical tremors have been felt recently due to unrest in some countries. These factors have been areas of constant attention for decades but are yet to be understood thoroughly. The session will aid in building a general outlook of the oil and gas business in the light of changing geopolitical scenarios. The discussions will help YPs to understand the process of framework development for future investments of the industry that can ensure a stable business environment.

1010–1025 hours	Group Photo
1025–1040 hours	Coffee Break

1040–1150 hours Session 2: Going the Extra Barrel Session Chairs: **Sugandh Aggarwal**, BG Group; **Narayan Datta Tiwari**, ONGC

Industrialisation and increasing wealth in emerging markets like India and China will be the driving factors behind the rising oil demand through the next century. The challenges associated with maintaining or enhancing production from mature fields are surging continuously. Such a venture demands loads of effort in the areas of field operation management, well diagnostic study, artificial lift (gas lift in particular), well stimulation, production optimisation, well modelling, integrated asset modelling and a comprehensive understanding of the existing pipeline network in consonance with flow assurance. Meticulous analyses and the timely execution of plans in these areas have witnessed substantial gains in terms of oil equity worldwide. The increase in demand along with an increase in engineering complications presents the oil and gas industry with an opportunity to bridge the gap by stretching out for a few extra barrels of oil and hence multiplying revenues. YPs attending this session will learn about advancements in computational technologies, best workflow schemes, latest tools, and EOR/IOR technologies that will be critical in maximising recovery from mature and marginal fields. This meeting will also furnish various developments in the field of classical reservoir engineering wherein YPs are at the forefront. The accurate forecasting of production performance is critical for gaining stakeholder confidence. This knowledge-sharing session will showcase success stories from across the globe to foster collaborative development and implementations of a similar nature in mature and marginal oil and gas fields.

1150–1250 hours	Lunch Break
1250–1330 hours	Team Building Activity

1330–1430 hours Session 3: Early Career Challenges Session Chairs: **Mohamed Fiazudeen**, Cairn India; **Aditya Mukerjee**, SK Oilfield

The early years in a career are full of uncertainties and YPs new to the industry frequently encounter challenges while adjusting into their job profiles. This may lead them to make poor and uninformed career decisions that can leave them reeling with issues of compatibility, excessive workloads, and frequent relocations. Doubts often arise when someone faces the industry and then compares it with his or her perception of an ideal case scenario. One should be patient and flexible enough to adapt to changing circumstances and emerging technologies. A healthy temperament and careful approach helps a professional to make conscious decisions that hold the key to a bright and successful career. An acceptance of how success ever so often turns out to be a manifestation of fate and the importance of being at the right place at the right time is necessary.

This session will pass on some tricks of the trade to the YPs who might be undergoing a similar crisis. The alignment of expectations between YPs and the companies that hire them is crucial for developing a collegial environment wherein a YP can excel in a thriving oil and gas industry. The session will also address critical transitions, formative experiences, and personal conflicts that characterise the challenges that young leaders face. The objective is to alert nascent professionals about some of the hurdles they are likely to face as they become leaders and how to avoid possible career-limiting mistakes that these can bring on.

General Information

Workshop Venue

Bengaluru Marriott Hotel Whitefield
Bengaluru, 560066, India
Tel: +91.80.4943.5000
Website: www.marriott.com

Workshop Guidelines

Format

Two (2) days of informal discussions prompted by selected keynote presentations and discussions. Workshops maximise the exchange of ideas among attendees and presenters through brief technical presentations followed by extended Q&A periods. Focused topics attract an informed audience eager to discuss issues critical to advancing both technology and best practices. The majority of the presentations are in the form of case studies, highlighting engineering achievements, and lessons learnt. In order to stimulate frank discussion, no proceedings are published and the press is not invited to attend.

Documentation

- Proceedings will not be published; therefore, formal papers and handouts are not expected from speakers.
- Work in progress, new ideas, and interesting projects are sought.
- Professionally-prepared visual-aids are not required; PowerPoint presentations are most commonly used.
- Note-taking by participants is encouraged.

Poster Session

The Steering Committee encourages registrations from professionals who are able to prepare and present a poster on a relevant project. For further details kindly contact Jackie Hoffmann at jhoffmann@spe.org.

Breakout Session

Attendees may be randomly assigned to discussion groups to maximise the opportunity to interact with other participants.

Attendance

Registrations will be accepted on a first-come, first-serve basis. The Steering Committee encourages attendance from those who can contribute to the workshop most effectively either in discussions or with posters. A mix of attendees in terms of geographic origin, companies, and disciplines will be encouraged.

Workshop Deliverables

- The Steering Committee will appoint a "scribe" to record the discussions and to produce the full workshop report for SPE.
- This report will be circulated to all attendees as the workshop deliverable within 4–6 weeks following the workshop. The copyright of the report is with SPE.
- PowerPoint presentation materials will be posted on a specific SPE URL address after the workshop. Provision of the materials by the speakers will signify their permission for SPE to do so.

Commercialism

In keeping with workshop objectives and the SPE mission, commercialism in posters or presentations will not be permitted. Company logos must be limited to the title slide and used only to indicate the affiliation of the presenter and others involved in the work.

Attendance Certificate

All attendees will receive an attendance certificate attesting to their participation in the workshop. This certificate will be provided in exchange for a completed Workshop Questionnaire.

Continuing Education Units

Attendees of this workshop qualify for SPE Continuing Education Units (CEU) at the rate of 0.1 CEU per hour of the workshop.

1440–1550 hours Session 4: Mergers and Acquisitions: Mutually Beneficial Alliances

Session Chairs: **Ravi Chaudhary**, ONGC; **Chanpreet Sahni**, Halliburton

Mergers and acquisitions (M&A) enable companies to create value through mutual collaborations and generally occur when the value of two companies is greater as a single unit than as independent ones. In the energy industry, M&As take place due to many strategic business reasons that mainly revolve around improving the economical or technological standing of the company. Mergers mainly imply increased Research and Development (R&D) and manufacturing capabilities. However, some are a desperate attempt for survival in a competitive business environment or are means to gaining a larger market share. In the year 1953 the industry witnessed its first merger and has thereafter observed these activities on a regular basis. After dipping to a five year low in 2013, the M&A activities in the energy industry picked up again in the year 2014, and are poised to continue at the same rate, if not at a faster one.

This session will shed some light on strategies and opportunities involved in M&A activities and discuss their advantages and challenges. Expert speakers will help YPs in gaining a better understanding of such activities, bestowing them with the ability to make smart choices, if and when similar scenarios prop up in the future.

1550–1650 hours Team Building Activity

1650–1700 hours Workshop Summary by Steering Committee

1900–2200 hours Dinner/Entertainment

Friday, 12 June 2015

0800–0830 hours Welcome Coffee

0830–0940 hours Session 5: Even Smarter Oil and Gas Fields

Session Chairs: **Sugandh Aggarwal**, BG Group; **Baijayanta Ghosh**, Schlumberger

As the oil and gas industry explores new horizons to meet growing energy demands, production possibilities from existing fields also needs to be intensified. The smart field concept offers a more efficient way of extracting the maximum amount of oil and gas present in a field by capitalising heavily on the vast amount of oilfield data being gathered, stored, analysed/interpreted, in real-time or near real-time, using the latest visualisation and analytical/numerical/data-analytics tools. Field experiences from across the globe can be used to accelerate the learning curve of analysing this 'treasure trove' of real-time data and translate it to improved reservoir management and higher return on investment.

This session will make YPs aware of both the state-of-affairs and the latest advancements in technologies in the areas of computation workflow, data science, analytics applications and decision-making tools.

It shall apprise the attendees of the spectrum of oilfield data that is being gathered, how it is stored, analysed, integrated with cross-domain workflows and finally applied in operational decision-making to optimally control smart fields. This technology plays a pivotal role to offset the economic burden of developing and producing from marginal oil fields. With 'Internet of Things' rapidly emerging as the way of the future across industries and Big Data taking the centre stage, this session holds much importance for YPs who will be introduced to Smart Field Technology, which will lead the way to this paradigm shift. Since technology is effective only when the human interface is intuitive and cognition-friendly the session would also cover the important aspects of the 'human factor' that characterise successful technological implementations in this domain.

0940–0950 hours Coffee Break

0950–1100 hours Session 6: Entrepreneurship Driving Innovative Businesses and Approaches

Session Chairs: **Mohamed Fiazudeen**, Cairn India; **Abhinandan Kohli**, Shell

Entrepreneurship runs on the wheels of vision and innovation, both of which are central to the energy industry. So far, it has been an uninviting domain in this industry mainly because of the huge risk factor associated with it and the requirement of enormous amounts of capital. However, today the scenario has undergone a paradigm shift as the last few decades have witnessed widespread concern over conventional fuels due to their limited availability and undesirable environmental impacts. This has opened up doors to innovative technologies in Green Energy that are affordable and sustainable.

Two other factors have undergone significant changes. One, the risk taking attitude of the latest generation of YPs has increased significantly. Two, with the commoditisation of computational and IT related services, the emergence of open licensing and cloud based computing capital barrier to entrepreneurship

in this domain is at an all-time low. These, coupled with the buoyant, and largely business-friendly, globalised market has spurred entrepreneurial efforts in the oil and gas industry. Institutions of higher learning have become rich incubators of technology based start-ups in manufacturing and are thriving alongside traditional agency/distribution based businesses.

This session will be instrumental in garnering the attention of potential entrepreneurs in the oil and gas industry. Discussions on various case-studies should encourage YPs to pursue any entrepreneurial ideas that they may have. In this session, YPs will also be introduced to the most common barriers to entrepreneurship and innovation within an organisational structure, and to a set of tools that can be used to overcome them.

1100–1110 hours Coffee Break

1110–1220 hours **Session 7: Fundamentals of Management**

Session Chairs: **Vikash Maheshwari**, OFI; **Narayan Datta Tiwari**, ONGC

One of the biggest challenges for the oil and gas industry has been the best utilisation of resources available to generate maximum profit with optimal recovery and minimal risk. In a multi-billion dollar industry such as this, good managers will always play a central role in any project. Management positions in the areas of risk, health and safety, supply-chain, human resources, and capital and assets are of critical importance. Technological developments, organisational changes and an ever-increasing demand have induced healthy competition and simultaneously influenced the vulnerability of the industry. Such circumstances have resulted in a manifold increase in the importance of management experts in the industry.

This session will be aimed at familiarising the YPs with various facets of management and some successful management tactics through the sharing of experiences and expertise.

1220–1330 hours Lunch

1330–1400 hours Team Building Activity

1400–1510 hours **Session 8: Till the Last Barrel**

Session Chairs: **Sugandha Thapliyal**, Reliance Industries; **Saloma Yamdo**, Oil India

Every barrel counts and therefore an all-out effort to maximise recovery is critically important. How to maximise recovery is a question that bothers almost all E&P industry experts. The increasing gap between supply and demand has encouraged engineers to innovate on new technologies that will increase Ultimate Recovery (UR), while maintaining a favourable profit to investment ratio.

This session will reinforce the ideas developed during Session 2 of Day 1, “Going the Extra Barrel”. YPs will receive extensive knowledge regarding new technology available in the industry, the implementation of some of which may currently be challenging due to the inherently high project costs and the financial risks associated with them.

The session will include expert discussions on anticipated new technological advancements, apart from those already in existence. It aims to put YPs in contact with experienced technical experts. Participants will gain an appreciation of how new technology can be employed in the efficient recovery of oil and gas.

1510–1540 hours **Panel Session (Session 9): Advancing Leaders for the Future**

Session Chairs: **Peter Nilsoon**, Shell; **Saloma Yamdo**, Oil India

A large proportion of the current crew in the industry will be retiring in the near future. This will create a void in the workplace that will need to be promptly filled by young and competent professionals. Thus to secure its future, the industry needs a set of guidelines to pick the leaders of tomorrow. Companies will have to be ready with replacements whenever a position is vacated, be it in the corporate office or out in the field. A continuous supply of trained manpower is vital for carrying out operations with minimal interruption.

Big Crew Change (BCC) is the commonly used term for these transformations within the industry. To keep in pace with the changing expectations of an oil and gas professional, companies are coming up with customised recruitment policies in order to select best-fit candidates for soon-to-be vacant positions.

This session will include panelists from different companies discussing some widely used techniques to select competent professionals and to nurture them to take up leadership roles. YPs will get a clearer picture of the recruitment policies as well as the career and personality development schemes offered in the industry, such as focused training programs, shadow leadership roles, competency matrices and various other programmes. But are these sufficient and flawless? This session promises to offer a stimulating discussion amongst experienced industry panelists and YPs on what has been and what has to be done to train a young oil and gas professional for the tough challenges ahead.

1540–1600 hours Workshop Summary and Closing Remarks

REGISTRATION FORM

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**Important: Attendance is limited and is not guaranteed. Early registration is recommended. Please print or type in black ink.
Registration Fee MUST be paid in advance to attend the workshop.**

First Name/Forename _____ Last/Family Name _____

SPE Member? ☐ Yes ☐ No Member No. _____ Job Title _____

Company/Organisation _____ Street or P.O. Box Number _____ City _____

State/Province _____ Zip/Postal Code _____ Country _____

Telephone _____ Facsimile _____ Email (required) _____

How did you first become aware of this event? ☐ Colleague (word of mouth) ☐ Section or Student Chapter ☐ JPT Ad ☐ Industry Publication

☐ Email from SPE ☐ SPE Website ☐ Other Industry Website ☐ Brochure Received by Mail ☐ I am a Committee Member/Presenter

☐ Employer ☐ An Exhibitor ☐ Others (please specify) _____

Workshop Fee includes: Technical sessions, materials, daily coffee breaks and luncheons, certificate of Continuing Education Units (CEU), and welcome reception and dinner (if applicable).

National (Indian Nationals based in India) (Registration by fax or email only)

☐ INR 25,800/ USD 420 for SPE Member

☐ INR 27,900/ USD 455 for Nonmember

International (Indian Nationals based outside India and Non-Indian Nationals based in or outside India)

☐ USD 1,100 for SPE Member

☐ USD 1,200 for Nonmembers

**All fees paid to SPE are net of taxes. The registration in this form do not include any or local withholding taxes. All such taxes will be added to the above-mentioned registration fees in the invoice.*

**Please note the current exchange rate will be applicable at the time of payment.*

Do you wish to present a poster? (subject to selection)

☐ Yes ☐ No

Do you wish to be considered a Discussion Leader? (subject to selection)

☐ Yes ☐ No

If yes, please indicate which subject you would like to present on: _____

Credit Card (Check One): ☐ American Express ☐ MasterCard ☐ Visa

NO REFUNDS will be granted on cancellations on or after 3 June 2015.

Card Number (will be billed through Society of Petroleum Engineers)

Expiration Date (mm/yy)

Security Code

Name of Credit Card Holder (printed) _____

Signature (required) _____ Date _____

Please inform us of mobility or special dietary needs _____

Payment by Bank Transfer: IMPORTANT—For reference: Please quote “15YPBA” and name of delegate

Make Payment to: HSBC Bank Middle East Ltd, Jebel Ali Branch, P.O. Box 66, Dubai, UAE

Account Name: SPE Middle East DMCC Account Number: 036-217131-100 Swift Code: BBMEAED; IBAN: AE180200000036217131100

PAN Card Number: AAPCS2761N

Registration Policy:

- This is a non-residential workshop. Therefore, accommodation is not included in the registration fees.
- Full fixed fee is charged regardless of the length of time that the registrant attends the workshop. Attendees are expected to attend all workshop sessions and are not permitted to attend on partial basis.
- Fixed fee cannot be prorated or reduced for anyone (workshop chairperson, co-chairpersons, committee members, speakers, discussion leaders, students, or registrants)

Cancellation and Refund Policy:

- A processing fee of USD 100 will be charged for cancellations received before the registration deadline of 11 May 2015.
- For cancellations received after the registration deadline, 11 May 2015, 25% of the fee will be refunded to the registrant.
- No refund on cancellations received within seven (7) days prior to the workshop date, i.e. on or after 3 June 2015.
- No refund will be issued if a registrant fails to attend the workshop.

Visa:

SPE Middle East, North Africa, and South Asia will assist in providing a visa invitation letter, upon receiving a written request, to confirmed registrants after receiving full payment of registration fees. Visa invitation letters take five days to issue from the date of request and it is the course attendee's responsibility to obtain their own visa. SPE cannot issue the visa nor can we guarantee it will be obtained.

For questions or additional information contact: Jackie Hoffmann at jhoffmann@spe.org.

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A portion of your dues is allocated to a JPT subscription and is not deductible or refundable.