



In participation with:



# SPE Annual Caspian Technical Conference

**5–7 October 2021** | Baku, Azerbaijan

[go.spe.org/21ctc](https://go.spe.org/21ctc)

**8th  
Annual  
Event**

## Call for Papers

Submission Deadline: 30 April 2021



Dear Colleagues,

On behalf of the Executive and Programme Committees, we would like to invite you to submit a paper proposal to be considered for inclusion in the technical programme of the eighth SPE Annual Caspian Technical Conference (CTC) taking place in **Baku, Azerbaijan on 5-7 October 2021**.

The industry has demonstrated resilience to overcoming low oil prices and technological challenges by transforming them into sustainable opportunities. The special focus of the CTC will be on disseminating the existing, emerging, and future social, economic and educational needs for the oil and gas sector.

Please submit your paper proposal no later than **30 April 2021**. If your abstract is accepted for presentation you will be notified by **mid-May 2021**.

We look forward to receiving your technical proposals and to seeing you in Baku in October.



Socar representative,  
**TBC**



Total representative,  
**TBC**



BP representative,  
**TBC**

## Technical Categories

The preliminary technical categories for which the programme committee invites paper proposals are listed below. The committee particularly welcomes regional case studies covering any of these topics.



### Data, Science and Engineering Analytics

- Big Data Analytics
- Artificial Intelligence Applications
- Real Time Operating Centres (RTOC)
- Data security and privacy
- Digitalisation case studies
- Blockchain Technologies in Oil & Gas industry



### Management

- Talent Management: attract, develop, and retain
- Petroleum engineering education outlook
- Human resources analytics
- Managing the workforce in a COVID impacted working environment
- Women empowerment in Oil and Gas Industry



### Drilling and Completions

- Wellbore stability (geomechanical approach)
- Critical service (HPHT, H2S) well and completion design
- Innovative well intervention technologies
- Extended reach drilling and multi-lateral wells
- Drilling rig fleet – past, present and future in Caspian Region
- Prevention and mitigation of lost circulation
- Drilling problems in deep depleted reservoirs
- Implementation of New Technologies in Drilling and Completions in Caspian Region
- Cementing and drilling fluids materials, testing and evaluation
- Managed pressure drilling and managed pressure cementing

### E&P Geoscience

- Regional geology, basin modelling and geochemistry
- New exploration frontiers
- Seismic imaging of geologic architecture and reservoir fluids
- Depositional and diagenetic controls on reservoir quality in carbonate/siliciclastic/unconventional reservoirs
- Application of outcrop analogues in reservoir characterisation and modelling

- Reservoir characterisation – case studies and lessons learned
- Geological modeling – advances and challenges
- Geomechanical modelling
- Machine learning and artificial intelligence in Earth Science

**Formation Evaluation and Geosteering**

- Geosteering (well placement) – technologies, case studies
- Wireline and logging while drilling (LWD) – new technologies, case studies
- Advances in machine learning in Petrophysics
- Core analysis and data interpretation
- Cased hole formation evaluation / analysis behind casing
- Surveillance (production/injection) logging
- Acoustic logging
- Magnetic resonance logging
- Quantitative petrophysical analysis – porosity, permeability, saturation
- Imaging techniques



**HSE**

- Caspian sea “zero discharges policy” design impact issues
- Process safety management and assurance
- Effective safeguards and barriers for major accident hazards, including emergency preparedness, response and recovery from major accidents
- Environmental, social and health impact assessment
- Human factors and safety culture
- Technology-enabled approaches to HSE management
- Waste management (gas, water and solids)
- Biodiversity and cultural heritage in the Caspian region

**Regulatory Compliance**

- Regulatory challenges in the oil and gas industry
- Perspectives of transition to the international reserves system in Caspian Region
- Changes in legislation and regulatory framework in response to the Energy Transition in Caspian Region



**Projects, Facilities and Construction**

**Projects Challenges and Flow Assurance**

- Gathering system flow assurance
- Surface facilities integrity management
- Transportation, construction, and installation challenges
- Equipment, materials and reinjection facilities for sour service
- Optimisation of surface facilities for mature oilfields
- Hydrate prevention in multiphase pipelines with high salt content

**Project Management in the Oil and Gas Industry**

- Project viability: planning, delivery, and risk management
- Successful project commissioning and start-up
- Effective project cost and time management
- Covid 19 impact on oil and gas industry and supply chain

**Transition to New Energy Era**

- Energy efficiency
- Renewable energy technology
- Greenhouse gas management



**Reservoir Description and Dynamics**

- Core analysis and modelling for improved recovery
- Reservoir geomechanics: fracturing, perforation, sand production
- PVT of complex reservoir fluids, EOS (equation of state) and miscibility
- Advances in well test analyses/interpretation (build-ups, fall-offs and interference testing, application benefits of permanent DHPTG’s)
- Reducing uncertainties through history matching and production forecast
- Assisted history match – benefits and shortfalls
- Dynamic modeling challenges (integration with surface facilities, complex recovery processes modeling, etc)

**Reservoir Management**

- Reservoir surveillance
- Risk and uncertainty management
- Field management: optimised recovery including IOR/EOR
- Integrated reservoir management
- Optimisation of sweep efficiency and recovery
- Artificial lift retrofits and full field deployment
- Pilot design, implementation, monitoring, and result evaluation to full field deployment
- Maximising the value of Brownfield Assets
- Reservoir life cycle management (predicting and managing changing conditions – GOR, Water Cut, etc)



**Production and Operations**

- Well Integrity
- Water management: control and clean-up technologies
- Flow assurance: prediction, control and mitigation
- Metering and production allocation
- Artificial lift
- How to increase Production rates and reduce CAPEX
- Acid fracturing and stimulation

## PAPER PROPOSAL SUBMITTAL GUIDELINES

- 1 Obtain the necessary clearance and advance travel approval from your management BEFORE paper submission.
- 2 The paper proposal must be received by **30 April 2021**.
- 3 The paper proposal must be a minimum of 200 words and no more than 300 words in length. Include a description of the proposed paper, results/conclusions, and the technical category applicable to your paper.
- 4 Submit your paper online [go.spe.org/21ctc](http://go.spe.org/21ctc).
- 5 **Do not** include the title or author names in the body of the abstract. The title and author information will be requested separately during the submission process.
- 6 **Do not** include tables, figures, bibliographic lists, or subscripts in your abstract. They can be uploaded separately.
- 7 Please note that, if accepted, your paper proposal may be published—as submitted—in conference information media, including the SPE website.
- 8 Authors of selected paper proposals for the conference will be notified by **mid-May 2021**.
- 9 Authors whose paper proposals are accepted will be required to provide a manuscript (technical paper) for inclusion in the conference proceedings. Authors who do not submit a manuscript and associated publication forms by the manuscript due date will be withdrawn from the programme and will not be allowed to present. Manuscripts are due to SPE no later than **6 August 2021**.
- 10 If your paper proposal is accepted you will be required to produce a manuscript (technical paper) and presentation in **BOTH English AND Russian or Azeri**. Providing manuscripts in both languages is obligatory for this Conference. Please note that papers translated via Google translator or a similar programme is not acceptable. Authors will be required to cover any translation expenses.

### Conference Languages

Abstracts will be accepted in English, Russian or Azeri. Simultaneous oral translation into English, Russian and Azeri will be provided in all conference sessions, on-site.

### Changes, Cancellations, and Withdrawals

SPE and the programme committee consider an accepted abstract as a commitment to present. If extenuating circumstances prevent the author from making the presentation, that author is obliged to find an alternative presenter and notify their SPE programme lead and session chair(s) (if applicable). Withdrawals must be made in writing to the SPE office as soon as possible. Under no circumstances can an abstract be changed once it has been submitted. The programme committee, particularly after a paper has been accepted and publicised, views cancellations as highly unprofessional.

### Commercialism

SPE has a stated policy against use of commercial trade names, company logos, or text that is commercial in tone in the paper title, text, or slides. The programme committee will scrutinise the use of such terms when evaluating abstracts, and the presence of commercialism in the paper presentation may result in withdrawal from the programme.

### Copyright

All authors of papers presented at the conference will be required to complete and submit a copyright release form to SPE or submit the copyright exemption form where applicable.



## SPE Conference Dual Submission Policy

Authors are allowed to submit abstracts to only one conference at a time. An abstract must officially be declined by a programme committee prior to submission to another conference for consideration. In the event an abstract is detected as a submission to more than one conference, all versions/copies of that abstract will be removed from consideration. Any paper previously presented at a conference and published in OnePetro may not be re-submitted for publication at another SPE conference. The author may present the subject matter at subsequent conferences at the invitation of the programme committee, but the paper will not be included in the conference proceedings.

## No Presentation Policy

Conference authors who fail to have at least one designated individual present the paper at the conference will have the conference paper permanently withdrawn from the SPE technical paper archive in OnePetro.

## Sponsorship

The Society of Petroleum Engineers offers a wide range of sponsorship packages that will promote your company, increase awareness of your company's brand, and demonstrate your organisation's commitment to the industry. Should you require further information, please contact Dean Guest at [dguest@spe.org](mailto:dguest@spe.org).

## 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.

**If you have any questions about the submission process, please contact Annie Nagem at [londonprog@spe.org](mailto:londonprog@spe.org).**



Society of Petroleum Engineers

## About the Society of Petroleum Engineers

The Society of Petroleum Engineers (SPE) is a not-for-profit professional association whose more than 156,000 members in 154 countries are engaged in oil and gas exploration and production. SPE is a key resource for technical knowledge providing publications, events, training courses, and online resources at [www.spe.org](http://www.spe.org).

## Submission Deadlines

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Manuscript Submission Deadline: **6 August 2021**



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