

Registration Deadline: 17 February 2020

Who Attends

- › Geologists and Geoscientists
- › Research and Development Scientists
- › Reservoir, Drilling and Completion Engineers
- › Well Testing Engineers and more

Present your paper

Submit your your topic before
31 January 2020.

Send your abstract proposals
to Antonina Kozmina at:
akozmina@spe.org.

Not an SPE member?

Join SPE today and receive discount-
ed registration rates for most SPE
events.

www.spe.org/joinspe



Carbonate oil and gas reservoirs in Russia are present at all stages of field development. Mature fields in Volga-Urals and Timan-Pechora basins, green fields in Eastern Siberia and the Northern seas are noted for complex structure of pore system and variety of fluid types.

This year we hold the fifth workshop on carbonates and we plan to discuss full cycle of E&P of carbonate fields. We will pay special attention to tendencies of the last three years:

- Companies “easting”: Big carbonates projects are brought into production in East Siberian petroleum province, often associated with unique geology.
- Large-scale implementation of proppant and acid proppant fracturing for carbonates.
- Development of EOR for carbonates.
- Digital core and core tomography for production stimulation efficiency analysis.
- Development of local simulator for bottomhole treatment design
- Improved technologies for production stimulation (foam system and hybrid fracturing)

Programme Committee

Dmitry Antonenko
Zarubezhneft

Boris Belozerov
Gazpromneft STC

Irina Gurbatova
PermNIPIneft

Mikhail Karpushin
Equinor

Azat Lutfullin
Tatneft

Alexander Melnikov
Gazpromneft STC

Vasily Mironov
Carbo Ceramics

Nikita Morozovsky
Rosneft

Sergey Nekhaev
Gazpromneft STC

Petr Povzhik
BelNIPIneft

Marat Rakhimov
BashNIPIneft

Ilya Sereda
Rosneft

Valentina Zhemchugova
GDS

Who we are

SPE is the largest individual member organization serving managers, engineers, scientists and other professionals worldwide in the upstream segment of the oil and gas industry.



Session 1. Carbonate Reservoir Geology and Classification

Carbonate reservoirs display a large variability in their characteristics. Most of carbonate reservoirs, unlike clastic deposits, are “born” in-situ and then undergo various postdepositional alterations, which are both negative and positively affecting reservoir productivity. It causes significant uncertainties in reservoir properties prediction and selection of profitable field development system. Facial heterogeneity of carbonate formations, alterations of varying intensity and direction in lithogenesis are among keys that affecting quality and performance of the reservoir.

Key topics:

- Carbonate reservoirs generation of different age: lithofacies conditions
- Composition, architecture and structure of the pore space of carbonate reservoirs. Influence of secondary processes on reservoir porosity and permeability.
- Aspects of study and propagation prediction of different types of reservoirs (porous, porous-vuggy, fractured).
- Well logging study features in carbonate reservoirs.
- The influence of reservoir heterogeneity on the dynamic characteristics of Carbonate fields.
- Study of wettability as an essential parameter determining natural distribution of oil and gas in the reservoir, relative permeabilities and displacement efficiency.

Session 2. Carbonate Reservoir Modeling

Geological and filtration modeling helps to mitigate development risk and develop complex reservoir optimum way. Carbonate reservoir structural style due to secondary alterations of pore structure as a result of secondary processes display requires unconventional approach to modeling. Integration of geological disciplines can help to understand and forecast reservoir performance and to determine development strategy.

Key topics:

- Efficient background data integration in carbonate reservoir modeling
- Conceptual modeling and secondary alterations in geological modeling of carbonate reservoir
- Geological modeling of hydrocarbon accumulation's porosity and permeability heterogeneity in carbonate reservoir
- Building and re-scaling of natural fracturing models
- Modeling of oil recovery improvement and enhancement in carbonate reservoir
- Integrated modeling of carbonate reservoir, pore systems of different scale and control of geological, hydro and geomechanical processes.

Session 3. Carbonate Reservoir Development

Carbonate reservoir development is associated with fracturing, complex structure of deposits (Ex., high-amplitude reef), low porosity, conservative approach to stimulation (hydrochloric acid), and difficulties of efficient formation-pressure maintenance system due to water mobility and dual porosity of reservoir.

Accurate analysis and reserves recovery reasoning require advanced study, apart from standard set of studies. Advanced studies include multi-rate pilot development, observation well testing coupled with special core tests, well logging and 3D seismic results.

Key topics:

- Reef reservoir development – case studies;
- Formation pressure maintenance in carbonates, implementation issues;
- Selection of optimal well network and case studies of porous and fractured vuggy formations development;
- Horizontal wells with multistage hydraulic fracturing for efficient carbonate formation development.

Session 4. Carbonate Reservoir Stimulation and Recovery Optimization

Efficient Carbonate Reservoirs development requires complex approaches and innovative methods. Russia has reservoirs at all stages of development. Most of green fields has unique characteristics and pose new challenges to the industry. At the same time, mature carbonate assets are still a significant part of oil production, and they claim as much attention as green fields. The workshop will explore cases to highlight assessment, advanced technologies for production stimulation and how we can apply these to the new frontiers.

Key topics:

- Development targets classification to determine IOR/EOR method
- Stimulation methods and candidate well selection principles for well work
- Well stimulation technology: how to select, including quality assurance and quality control
- EOR: selection and testing

Round Table “Undeveloped Reserves: Production Prospects”

New technologies together with tax privileges allow to encroach on such carbonate reservoirs, which have been considered unprofitable. During open discussion we will talk about:

- Carbonate formations resource portfolio, classification and proportion of proved & undeveloped reserves
- Low production carbonate formations and revision of its potential in light of shale revolution
- Domanic: resources potential, study and development case studies
- Scenario comparison for key shale regions of Russia and US (resources, productivity, production technologies, taxes)
- Complex assessment low debit carbonate formations in terms of K/Mu, resources potential of carbonate formations with heavy oil.



Registration

Rates (including VAT)

SPE Members	46,800 RUB
SPE Nonmembers	50,400 RUB

Contact Information

All registration questions and queries please address to Ulyana Dmitrieva at

udmitrieva@spe.org.

T.: +7(495)268-04-54.

Learn more at go.spe.org/20ams1-en

General Information

Abstracts Submission

To participate please send your abstract to Antonina Kozmia at akozmina@spe.org before 31 January 2020.

Abstracts Requirements

The following information is required for each abstract::

- Title in Russian and English languages
- Session name
- Name of the author and the company they are representing
- Name of the author and the company they are representing
- Contact details, including phone number, address, e-mail address

The abstract should consist of 350 – 400 words, including the short description of:

- the paper's aim
- the novelty
- possible ways of application
- technologies
- main results and conclusions

Your abstract will be reviewed by the Programme Committee to consider its acceptance for the Workshop Program.

Proceedings

Proceedings will not be published; therefore, formal papers and handouts are not expected from speakers. The presentations will be available only to Workshop participants.

Commercialism

Commercialism in posters or presentations will not be permitted. Companies' logos must be placed only at the title presentation slide.

Sponsorship Opportunities

SPE is non-for-profit association and sponsorship support allows SPE to keep the attendance price within reach of operations-level individuals, those who benefit most from these technical workshops. While SPE prohibits any type of commercialism within the conference hall itself, the society recognizes that sponsoring companies offer valuable information to attendees outside the technical sessions.

Sponsorship Benefits

In addition to onsite recognition; SPE will recognise sponsors on the SPE website and in all printed material for the workshop.

Based on the sponsorship selected, sponsoring companies also receive logo visibility on promotional workshop items.

Sponsorship Packages

- General Sponsor
- Socially Responsible Sponsor
- Simultaneous Translation Sponsor
- Coffee-Breaks Sponsor
- Workshop Lunches Sponsor
- Reception Sponsor

Detailed Information

For more information regarding sponsorship support please contact Antonina Kozmina akozmina@spe.org.