Session 1. New methodology in hydraulic fracturing: Design, Technologies, Approaches

1. A. Pesherenko, D. Chuprakov, Schlumberger
   Ultrafast Simulations of Asymmetric Fracture Growth in Length and Height Using Lagrangian Mechanics

2. V. Pavlov, N. Pavlyukov, TNNC; M. Samoilov, S. Cherkasov, Rosneft Upstream Peer Review and Technical Development Center
   Optimization of development processes of the Verkhnechenskoye field by mapping geomechanical properties

   Practical aspects of hydraulic fracturing design optimization using machine learning on field data: digital database, algorithms and planning the field tests

   Technological and economical optimization of a hydraulic fracturing design with Planar3D modeling: choice of proppant, liquid and pump schedule

5. M. Rylance, BP
   Horizontal Wellbore Fracturing Technology – Can we Finally Control Fracture Height?

6. A. Erofeev, R. Nikitin, MIPT Engineering Center; A. Bochkarev, D. Vladimirov, Phystech Geoservice
   Complex approach to optimization of multi-stage fracturing operations using enhanced fracture models and production forecasting tools

7. S. Kenzhehanov, S. Hakimov, IPEC Energy; V. Akhmetgareev, Jizzakh Petroleum
   Multistage Hydraulic Fracturing Design Optimization

8. D. Abdrazakov, Schlumberger
   Advanced Modeling and New Fit-for-purpose Fluids Unlock Potential of Hot, Tight Reservoirs during Acid Fracturing in Uzbekistan

Session 2. Hydraulic Fracturing Case Studies: from Pilots to Integrated Projects. (Part 1)

1. V. Astafiev, Halliburton Consulting; M. Samoilov, Rosneft Upstream Peer Review and Technical Development Center; I. Faisullin, Gazpromneft STC; A. Mitin, G. Fedorov, Weatherford; I. Kuvshinov, Independent Consultant; K. Ovchinnikov, GeoSplit; M. Gaponov, Bashneft; D. Chaplygin, Salym Petroleum Development
   A decade of multi-zone fracturing treatments in Russia.

   Problems of developing unconventional hydrocarbon reserves with current reservoir stimulation technologies

3. M. Samoilov, A. Prokhorov, Rosneft Upstream Peer Review and Technical Development Center; V. Pavlov, N. Pavlyukov, TNNC
   Influence of isotropic and anisotropic geomechanical data on the modeling accuracy of hydraulic fracturing jobs in case of composite layering effect

   Changing approach to hydraulic fracturing on low permeable formations in East Siberia

5. A. Kapkaev, A. Laptev, M. Pashalov, A. Yudin, Schlumberger
   Complex Approach to Stimulate Gas Formations Serves Eastern Siberia

6. V. Ivanov, Aman Munai; D. Abdrazakov, Schlumberger
   Proppant transport capabilities of high-viscosity friction reducers at relatively low rates: advanced modeling and field validation

7. U. Mavletkulov, Schlumberger
   «Cold» Channel Fracturing: Synthesis of Fracturing Technologies in South-Priobskoe Oilfield

   Clean fluid. Technological aspects of field application
Session 3. Hydraulic Fracturing Case Studies: from Pilots to Integrated Projects. (Part 2)

1. E.Malyavko, GeoSplit; V.Karpov, RITEK
   Dynamic flow monitoring in horizontal wells with high-stage multifrac in Bazhen formation

2. A.Karimullin, Schlumberger
   First Successful Application of Multistage Fracturing Completion in Horizontal Wells on Rospan field

Session 4. Refrac and hydraulic fracturing in extreme environments

1. N.Gaysina, A.Bochkarev, A.Lisitcin, D.Chernyshev, MIPT Engineering Center; A.Ryazanov, N.Parshin, RITEK
   Horizontal well completion for frac optimization in the context of hard-to-recover reservers

2. R.Shaikamalov, Rosneft Upstream Peer Review and Technical Development Center; M.Gaponov, Bashneft
   Multistage horizontal wells refracturing by means of abrasive jet perforation + frac technology.

   Re-multi fracturing with flow diverter TBlockSure

   Multi-interval hydraulic jet perforation of wells with selective hydraulic fracturing. The results of application prospects.

5. R.Gainetdinov, I.Faisullin, Gazpromneft STC; I.Samoilov, Slavneft-Megionneftegaz
   Approaches to refrac in horizontal wells with MSF. Successful experience in implementing abrasive jet perforation with hydraulic fracturing.

6. M.Pustovalov, M.Melnikov, National Oilwell Varco; A.Konopelko, Messoyakhneftegaz
   First in Russia multistage fracturing job with sand screen completion in poorly consolidated formation.

Poster session

1. A.Gabdrahmanov, Almetyevsk State Oil Institute; A.Ermoshkin, Tatneft
   Geophysical and seismic studies to determine regional stresses of the PJSC Tatneft fields

2. M.Samoilov, Rosneft Upstream Peer Review and Technical Development Center; V.Astafiev, A.Andreev, Halliburton
   An integrated approach to the design of the multistage hydraulic fracturing