

**Session 1. Improved approaches and technologies in modeling**

1. *Amir Ismagilov, Kazan Federal University*  
Machine learning approach to open hole interpretation and static modelling applied to a giant field
2. *Lenar Minikhairov, Kazan Federal University*  
Reservoir simulation accounting rock wettability: case study of carbonate deposits of oil reservoir in Tatrtan
3. *Aliya Bashirova, V.Baykov, E.Umatov, UfaNIPIneft*  
Integrated approach in geological and hydrodynamic modeling
4. *Dmitry Mett, LUKOIL Engineering*  
Approaches for localization of residual oil or sweet spots based on complex geological and hydrodynamic models

**Session 2. Role of modeling in decision-making**

1. *Timur Vafin, Aloil*  
The Complex Approach to New Horizontal Well Placement and Optimal Profile Selection
2. *Ekaterina Samokhina, Roxar*  
Hydrocarbon traps of Paleozoic deposits correlated with Bolshekinelskiy bar: structure features research based on seismic data and geological and hydrodynamic modeling
3. *Valery Starosvetskov, VolgogradNIPImorneft*  
Expediency justification of horizontal sidetracks drilling on hard-to-recover fields (high-viscosity oil)
4. *Olga Emchenko, UfaNIPIneft*  
Set of technological models as decision-making instrument for carbonate reservoir development
5. *Ivan Evdokimov, Roxar*  
Solution of operating production tasks arising from drilling and development as a result of complex modeling technologies application
6. *Anes Abayuly, KazNIPImunaygas*  
feasibility analysis of associated gas from two fields (A and B) injection into gas cap of field A using geologic and hydrodynamic modeling.

**Session 3. Complex approach to modeling**

1. *Kirill Kordik, KogalymNIPIneft*  
Pilot project: implementation of integrated models on Bolshekhetskaya depression fields
2. *Eduard Viktorov, M.Shaldybin, UfaNIPIneft*  
Multivariate adaptation methods for hydrodynamic modeling of low permeable reservoir.
3. *Alejandro Ganzo, Baker Hughes*  
Multi-Scenario approach to assess 3D Structural Uncertainties in Reservoir Modeling and their Effects in Fluid Dynamics
4. *Daniil Alchibaev, Yu.Ovcharenko, S.Lukin, A.Glazyrina, Gazproneft STC*  
Role of 3D geomechanical modeling in Severo-Samburgskoe field development
5. *Sergey Kalinin, K.Tarassenko, A.Tkachenko, M.Drebuschak, E.Parkhutova, Geologika*  
Nonplanar hydraulic fracture modeling on principal stress change

6. *Tatiana Nikolaeva, G.Usachev, D.Mett, LUKOIL Engineering*

Workflow of transition from laboratory research to a full-scale model for HPAI.

**ROUND TABLE Future of modeling. Trends and prospects**

*Sergey Kaygorodov, Gazpromneft STC*

Hydrodynamic modeling. What is next? Near future technologies