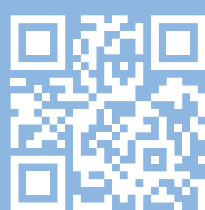




Petroleum Engineering



Full Name	Advisor / Co-adviser	Thesis Title	
Bhattacharjee Surajeet	Alexander Cheremisin	On Kerogen Transformation and Thermal Enhanced Oil Recovery Techniques	
Elena Uskova	Alexey Cheremisin / Alexander Burukhin	Research of the Microstructure Features of Bazhenov Deposits and Selection of the Optimal Model for Creating a Digital Twin of the Rock	
Egor Fomichev	Vladimir Istomin	Study of Emulsion Formation in the “Gas Condensate – Water – Hydrate Formation Inhibitor” Systems in Gas Condensate Fields	
Damir Akhmetov	Dmitry Koroteev / Egor Illarionov	Machine Learning Approach for Oil Rate Prediction Based on Near Wellbore Pressure Dynamics and Well Completion	
Nathan Ehimen	Dmitry Koroteev	Md Simulation of Contact Angles for Carbonate Reservoirs	
Daniil Sherki	Dmitry Koroteev / Denis Orlov	AI-aided Mineral Mapping Using Dual-Energy uCT Imaging	
Olga Volkova	Dmitry Koroteev / Denis Orlov; Evgeny Baraboshkin	Full-size Core Fracturing Auto-characterization Using Machine Vision Techniques	

Full Name	Advisor / Co-adviser	Thesis Title	
Timur Zakarin	Dmitry Koroteev / Alexander Kasperovich	Self-learning Virtual Analyzer of Component-fractional Composition of Hydrocarbon Flows	
Egor Cherepanov	Yury Popov / Evgeny Chekhonin	Prediction of Thermal Properties of Hydrocarbon Field Rocks Using Machine Learning Based on Welllogging Data and Thermophysical Core Measurements	
Alina Khayrullina	Mikhail Spasennykh / Tagir Karamov	Pyrite Morphology and Sulfur Isotopic Composition as Indicators of Sedimentation, Diagenesis and Catagenesis Processes in the Bazhenov Formation	
Iana Snegireva	Alexei Tchistiakov / Alexander Cheremisin	Dual Porosity-permeability Model of the Fractured Carbonate Reservoir in the Eastern Siberia	