2021 Meeting Report

RCP Student Biographies

May 4th & 5th

COLORADO SCHOOL OF MINES

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Kaveh Amini

Degree: PhD Petroleum Engineering
Hometown: Parker, Colorado
Research Project: Eagle Ford
Research Topic: Reservoir modeling, enhanced oil recovery, hydraulic fracture modeling, multi-phase flow, fluid properties

- BS (2003) in Chemical Engineering, University of Tehran, Tehran, Iran
- MS (2008) in Energy Engineering, Azad University, Tehran, Iran
- MS (2014) in Petroleum Engineering, Texas Tech University, Lubbock Texas
- Performed reservoir engineering services for companies and organizations such as BP, Halliburton, National Renewable Energy Laboratory (NREL), Korean Gas Corporation (KOGAS), MI3 Petroleum Engineering (2011-Now)

Nurbol Bekbossinov

Degree: MS Petroleum Engineering
Hometown: Almaty, Kazakhstan
Research Project: Chalk Bluff
Research Topic: Integrated Characterization of northern DJ Basin, Colorado; Reservoir modeling with hydraulic fracturing optimization

- BS (2019) in Petroleum Engineering, Colorado School of Mines

Liwei Cheng

Degree: PhD Geophysics
Hometown: Taipei, Taiwan
Research Project: middle Marrat, north Kuwait
Research Topic: Integrated reservoir characterization of Raudhatain field

- MS (2005) in Geosciences, National Taiwan University
- Professional master (2017), Colorado School of Mines
- 8 years of experience with iReservoir.com in seismic inversion, reservoir characterization

Moacyr De Souza Bezerra
Degree: PhD Geophysics
Hometown: Espito Santo, Brazil
Research Project: Offshore Deepwater Project (Jubarte Field - Brazil)
Research Topic: Time Lapse (4D) and multi component seismic processing for enhanced reservoir characterization
• BS (2003) in Physics, Federal University of Espirito Santo, Brazil
• MS (2006) in Physics, Federal University of Espirito Santo, Brazil
• 13 years of experience with Petrobras as a geophysicist

Ali Downard
Degree: MS Geophysics
Hometown: Paw Paw, Michigan
Research Project: Chalk Bluff
Research Topic: Geophysical interpretation of structural heterogeneity and its impact on production from the Hereford Field, Northern DJ Basin, Colorado
• BSc (2019) in Geophysical Engineering, Colorado School of Mines

Marihelen Held
Degree: MS Geophysics
Hometown: Great Falls, Montana
Research Project: North Sea
Research Topic: 4D simultaneous PP-PS pre-stack inversion of the Edvard Grieg Field, Norwegian North Sea
• BSc (2020) in Geophysical Engineering, Montana Tech

Owen Huff

Degree: MS Geophysics
Hometown: Macomb, Illinois
Research Project: Eagle Ford
Research Topic: Processing of microseismic DAS data and guided wave analysis
- BS (2018) in Physics, Western Illinois University
- Geophysics Intern at Lawrence Berkeley National Laboratory

Asm Kamruzzaman

Degree: PhD Petroleum Engineering
Hometown: Dhaka, Bangladesh
Research Project: EOR
Research Topic: Enhanced Oil Recovery (EOR) in unconventional resources
- BS (2013) in Petroleum Engineering, Colorado School of Mines
- MS (2016) in Petroleum Engineering, Colorado School of Mines
- Production and facilities engineering internship experiences with EOG Resources

Kagan Kutun

Degree: PhD Petroleum Engineering
Hometown: Mersin, Turkey
Research Project: FORP
Research Topic: Experimental and numerical investigation of distributed temperature data
- BS (2012) Petroleum and Natural Gas Engineering, Istanbul Technical University
- MS (2018) Petroleum Engineering, Colorado School of Mines
- 5 years of college level teaching/assistantship
- EGS Collab project team member
- Reservoir Simulation Internship with NITEC LLC

Youfang Liu
Degree: PhD Geophysics
Hometown: Jiujiang, China
Research Project: Midland Basin
Research Topic: Advanced AVA Inversion
- MS (2009) in Geological and Geophysical Engineering, University of Arizona
- 3 years with Westerngeco as a seismic engineer
- 3 years with Global Geophysical Services as a processing/reservoir geophysicist

Balnur Mindygaliyeva
Degree: MS Petroleum Engineering
Hometown: Aktobe, Kazakhstan
Research Project: Chalk Bluff
Research Topic: Rate Transient Analysis (RTA) of Chalk Bluff Field to Determine Stimulated Formation Permeability of Northern DJ Basin Niobrara and Codell Formations
- BS (2019) in Petroleum and Natural Gas Engineering, New Mexico Institute of Mining and Technology

Samara Omar
Degree: PhD Geophysics, Data Science Minor
Hometown: Chaguanas, Trinidad and Tobago
Research Topic: TBD
Research Project: TBD
- BS (2016) in Geophysics, Economics Minor, Colorado School of Mines
- MS (2018) in Geophysics, Geology Minor, Colorado School of Mines
- 2.5 years Exploration Geophysicist with EOG Resources working several Lower 48 plays
- Previous internships include the Ministry of Energy – Trinidad and Tobago, IHS Markit, and 3 summers with EOG Resources in different divisions

Harrison Schumann

Degree: MS Geophysics
Hometown: San Antonio, Texas
Research Project: Chalk Bluff
Research Topic: Researching applications of fiber optic sensing and machine learning in unconventional reservoirs
- BS (2019) in Geophysics, Southern Methodist University
- Previous internships at ExxonMobil, Incorporated Research Institutions for Seismology (IRIS)

Chad Taylor

Degree: MS Geology
Hometown: Pawhuska, Oklahoma
Research Project: Chalk Bluff
Research Topic: Geological Reservoir Characterization and Performance Optimization
- BA (2011) in Multidisciplinary Studies (Cultural Anthropology/Human Development); Minor in History, University of Oklahoma - Norman
- BS (2012) in Geology, Oklahoma State University - Stillwater
- 15+ years of industry experience in data management, reservoir modeling and optimization, exploration and development, and prospect and reserve assessment
- Expertise in state and local government regulatory navigation / permitting, environment policy, and planning

Joe Teff

Degree: MS Petroleum Engineering
Hometown: Penrose, Colorado
Research Project: Chalk Bluff
Research Topic: Practical applications in fiber optic technologies through fracture modeling and production history matching
- BS in Geophysical Engineering, Colorado School of Mines
- MS Engineering Technology Management, Colorado School of Mines
- 20 plus years industry experience: GOM roughneck, seismic processing/prospecting, technology innovation/development, and borehole geophysical methods
- Geophysical prospecting and petroleum engineering in various aspects for both service companies and Devon Energy
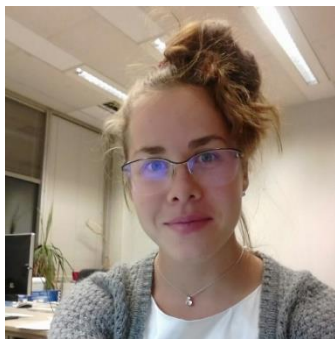
Aleksei Titov
Degree: PhD Geophysics
Hometown: St. Petersburg, Russia
Research Project: FORP
Research Topic: Laboratory and numerical modeling for quantitative analysis of distributed acoustic sensing (DAS) data
• BS (2014) in Physics, St. Petersburg State University, Russia
• MS (2016) in Physics, St. Petersburg State University, Russia
• 1 year of near-surface applied geophysics and consulting roles
• Geophysics Intern, Lawrence Berkeley National Laboratory

Anna Titova
Degree: PhD Geophysics
Hometown: Omsk, Russia
Research Project: Compressive Sensing in Seismic Acquisition
Research Topic: Compressive Sensing, seismic acquisition, data interpolation, matrix completion
• MS (2017) in Physics, St. Petersburg State University, Russia
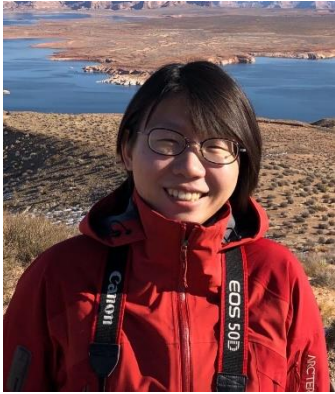• BS (2015) in Physics, St. Petersburg State University, Russia

Isabel White
Degree: PhD Geophysics
Hometown: New York City, New York
Research Project: Pouce Coupe
Research Topic: Pouce Coupe microseismic processing: shear wave splitting and tomography

Xiaoyu (Rosie) Zhu
Degree: MS Geophysics
Hometown: Nanjing, China
Research Project: Chalk Bluff
Research Topic: Distributed Acoustic Sensing (DAS), low-frequency DAS, hydraulic fracture geometry, reservoir characterization

- BS (2019) in Geophysical Engineering, Colorado School of Mines
- Performed GPU wavefield modeling and computer vision detection for NanoSeis, LLC