Phase XIX

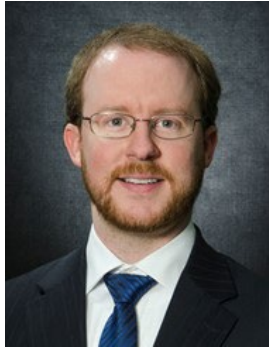**RCP Student Biographies**

COLORADO SCHOOL OF MINES

rcp.mines.edu

CURRENT M.Sc. STUDENTS

James Carmichael

Degree: MS Geophysics
Hometown: Austin, Texas
Research Interest: Unconventional reservoirs, microseismic, distributed fiber-optic sensing
- BS in Geophysics, University of Texas at Austin
- 15+ years of industry experience in data management, reservoir modeling and optimization, exploration and development, and prospect and reserve assessment
- 12+ years industry experience as Principal Microseismic Geophysicist (Halliburton)

Joseph Cherayil

Degree: MS Geophysics
Hometown: Santa Cruz, CA
Research Interest: Reservoir Characterization
- BS Earth Science, Summa Cum Laude, University of California Santa Cruz
- NSF REU Internship, Fairbanks, AK, Impact oof increasing aerosols on Arctic climate
- Researcher at UCSC Seismology Lab

Burak Erdinc

Degree: MS Geophysics student in the department, changing to thesis program fall 2021
Hometown: Golden, Colorado
Research Interest: Carbon capture and sequestration, distributed fiber-optic sensing, and machine learning
- BS Chemical Engineering, Middle East Technical University
- MS Chemical Engineering, Queen's University, Canada
- 10+ years experience in directional drilling, well logging, oil/gas/geothermal

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

Peiyao Li
Degree: PhD Geophysics student in the department, changing to thesis program fall 2021
Hometown: China
Research Interest: Fiber Optic Sensing and Machine Learning
• BS Petroleum Geology, University of Oklahoma
• MS Geophysics, University of Oklahoma

Joe Mjehovich
Degree: MS Geophysics student in the department, changing to thesis program fall 2021
Hometown: Mt. Shasta, California
Research Interest: Fiber Optic Sensing
• BS in Physics, Metropolitan State University, Denver

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: reservoir modeling and optimization, exploration/development, reserve assessment
- Expertise in state and local government regulatory navigation / permitting, environment policy, and planning
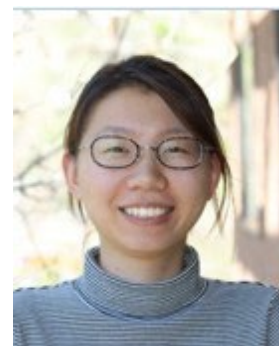
Joe Teff

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

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

CURRENT Ph.D. STUDENTS

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

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

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

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