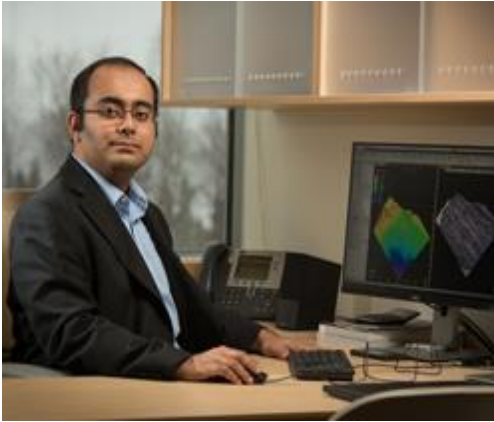# UAA College of Engineering
UNIVERSITY of ALASKA ANCHORAGE

UAA Professional Development Seminar Series

Application of Machine Learning and Deep Learning in Energy Exploration

Presented by
Shuvajit Bhattacharya, Assistant Professor

Applications of machine learning and deep learning are becoming very common in oil and gas exploration. Dr. Bhattacharya will discuss how predictive data analytics, including data mining and machine learning, can be used to better understand subsurface geology and explore energy resources, including various case studies from Texas, Pennsylvania, and Alaska.

Dr. Bhattacharya is currently an Assistant Professor in the Department of Geological Sciences at UAA. He teaches courses in subsurface mapping, geophysics, and petrophysics. His current research areas are in energy geosciences, machine learning, and integrated subsurface interpretations using different geophysical and petrophysical datasets. Prior to joining UAA, he worked for a few oil and gas companies and research organizations, including EOG Resources, Talisman Energy (now Repsol), and Battelle. He completed multiple successful projects for energy exploration and fluid storage, using machine learning in various onshore and offshore locations in North America, Australia, and South Africa.

Friday, February 22, 2019
11:45 am-12:45 pm
UAA College of Engineering, EIB 211