



PCPG

Pennsylvania Council of Professional Geologists
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PG Review Course for the Practicing Geologist & ASBOG® Exam Prep Virtual Webinar Series: Summer 2023

Presented in conjunction with
the Pittsburgh Geological Society



Thursday, August 10, 2023 - Part Six: 6:00-8:30 PM

Economic and Resources Geology: Petroleum and Coal (75 mins.)
Kristin Carter, PG, DCNR Geologic Survey

Economic and Resources Geology: Mining (75 mins.)
Kurt Frieauf, PhD, P.G., Kutztown University

About Our Instructors

Kristin M. Carter, P.G. (PA Geological Survey) - Kristin serves as Assistant State Geologist of the Pennsylvania Geological Survey (PAGS) and manages the Survey's Geological Resources Division. A native of Pennsylvania, she holds a Master of Science degree in Geological Sciences from Lehigh University and a Bachelor of Science degree in Geology/Environmental Science (double major) from Allegheny College. Over the course of her nearly 30-year career in the private and public sectors, Kristin has applied her geologic knowledge to the aqueous geochemistry of surface and ground waters, contaminant hydrogeology, drinking water quality studies, oil and gas exploration and development, storage reservoir characterization, and carbon capture utilization and storage (CCUS) opportunities in the Appalachian basin and greater Mid-Atlantic region of the U.S. Kristin has worked as a petroleum geologist for the PAGS since 2001, and her current research efforts involve unconventional petroleum reservoir and storage reservoir characterization, subsurface stratigraphy and CCUS. Kristin passed the Pennsylvania Professional Geologist test in 1998 and is acknowledged as a Certified Petroleum Geologist by the American Association of Petroleum Geologists.

Kurt Frieauf, PhD, P.G. (Kutztown University) - Dr. Kurt Frieauf is an economic geologist and professor at Kutztown University of Pennsylvania. Dr. Frieauf earned a B.Sc. in geology from Colorado State University, a Ph.D. in geology from Stanford University, and is a registered Professional Geologist in the Commonwealth of Pennsylvania. He has worked as a gold exploration geologist (AK, CO, NM, NV) and as an underground mine geologist (AZ). His research focuses on integrating detailed surface and underground geologic mapping and core logging with petrographic/geochemical analyses in the lab to understand ore-forming processes and develop practical exploration methods for finding ore deposits (Namibia Cu, China REE+Mo, West Papua Indonesia Cu+Au, Pennsylvania Fe, Arizona Cu+Au).