



PCPG

Pennsylvania Council of Professional Geologists
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PG Review Course for the Practicing Geologist & ASBOG Exam Prep

August 24-25, 2017
DoubleTree Suites by Hilton Philadelphia West
Plymouth Meeting, PA

About our Presenters

Richard M. Busch, Ph.D. (West Chester University) – Dr. Rich Busch is a Professor of Geology in the Dept. of Earth & Space Sciences, West Chester University (WCU). Dr. Busch holds an A.B. in Geology from Franklin & Marshall College, an M.A. in Geology from Temple University, and a Ph.D. in Geology from University of Pittsburgh. He began his career at the US Geological Survey (P&S Branch), and then worked as a subsurface stratigrapher (aquifers, aquicludes) at the Maryland Water Resources Administration. He has completed a variety of projects related to petroleum exploration and, for 30 years, served as Editor of the AGI/NAGT Laboratory Manual in Physical Geology. As an Assistant Professor at Kansas State University he and his students published work on meter-scale allostratigraphy of Late Paleozoic cyclothems. At WCU he has published on biostratigraphy, paleontology and geoscience education, and now teaches Historical Geology, Paleontology, and Sedimentology & Stratigraphy.

Kurt Frieauf, Ph.D., 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).

Martin F. Helmke, Ph.D., P.G. (West Chester University) – Dr. Martin Helmke is a Professor of Geoscience and Chair of the Department of Geology and Astronomy at West Chester University of Pennsylvania. Dr. Helmke holds a PhD in Geology and Water Resources from Iowa State University and is a PA Registered P.G. by ASBOG. He teaches Physical Geology, Field Geology, Hydrogeology, and Soils at WCU. His research interests include groundwater contaminant fate, transport, and remediation; performance of large-scale ground-source heat pump systems; emergency response to geologic disasters; and groundwater issues relating to wastewater and stormwater management. Previously, he worked as a Hydrologic Technician at USGS National Headquarters in Reston, VA, as a Senior Hydrogeologist at Versar, Inc., and as Director of the Iowa State University/University of Nebraska-Lincoln Geology Field Camp in Shell, Wyoming. Dr. Helmke continues to collaborate as an academic and consultant on research and applied geologic work in the Greater Philadelphia Metropolitan Region.

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Gary M. B. Kribbs, P.G., President (AEON Geoscience, Inc.) - Kribbs received a B.A. in geology and an M.S. in geology from the Univ. of Toledo. Registered as a P.G. in four states, he is structural geologist with 33 years experience. Kribbs has conducted numerous watershed evaluations with a specialty in spring source water hydrogeologic investigations for the private sector with a focus on deep structural aquifers. Kribbs has conducted numerous landslide and slope failure investigations in landslide terrain on PennDOT, VDOT and commercial developments, and other large earth works projects throughout PA, OH, TX and VA. He has provided technical expertise for excavation, grading, and geologic hazard mitigations of sink holes and karst features, and has conducted deep mine investigations for commercial, highway, and solid waste projects. Also, channel and sediment evaluations for dredge disposal for ACOE and local port authorities.

Peter Muller, Ph.D., CPG - Independent Geological Consultant based in Philadelphia, PA. Professor of geology at the State University of New York at Oneonta for 27 years teaching courses in structural geology and tectonics, engineering geology, map and field geology, mineral resources, physical geology, and waste management. Geologist for the Maryland Geological Survey (1980-1982), Dames and Moore (1973-1975), and Alpha Geoscience (2010-2012)). Peter received his BS in geology from Bucknell University (1971) and his PhD from Binghamton University (1980). He has extensive geological field experience in a wide range of settings, both domestic and international, including instructor at the UPenn/YBRA field camp in SW Montana for 10 years. He has published research on the structure, petrology, and tectonics, of the Maryland Piedmont, the Adirondack Highlands of NY, and the Ruby and Blacktail ranges of SW Montana. Most recently he has been involved in shale gas development both domestically and internationally.

Christopher Mulry, P.G., Vice President (GES, Inc.) - Mr. Mulry is a Vice President and Principal Hydrogeologist based out of GES' Maryland office. He has a diverse background in environmental investigations, risk management and the design, operation and maintenance of soil and groundwater remediation and management programs - primarily at petroleum facilities. He has served with GES in various technical and managerial capacities since 1986 and has worked at project sites in the US and internationally. Mr. Mulry has been responsible for completing investigative and remediation programs in a wide range of site settings with an emphasis on Conceptual Site Model development. He has experience with direct sensing and geophysical tools and techniques as well as multi-level evaluations in complex and fractured rock settings. Mr. Mulry served as a guest lecturer with the Midwest Geosciences Group for their "Improving Hydrogeologic Analysis of Fractured Bedrock Systems" course from 2008 through 2010 and has presented technical topics on a wide range of subjects including fractured rock characterization, LNAPL behavior and petroleum vapor intrusion. He also leads an internal group of hydrogeologists at GES that focuses on technical innovation, quality and training. Mr. Mulry is a licensed professional geologist in the states of Delaware, Pennsylvania and Virginia. Mr. Mulry has a BS in Geology from the University of Delaware and an MS in Geology from the University of Maine.