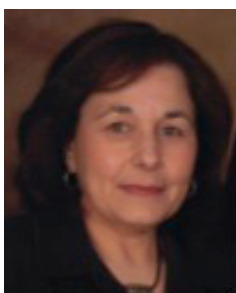# About the Instructors:

Jay R. Powell, PhD, is currently in his tenth year with Analytical Answers, Inc., a contract research and development organization. Dr. Powell is a molecular spectroscopist and general analytical chemist with over 30 years experience in the field. After getting his Ph.D. in chemistry from the University of South Carolina, Dr. Powell served his post-doc at the Biomedical Infrared Spectroscopy center at Battelle's Columbus Laboratories studying protein folding and blood-biomaterial interactions. After Battelle, he spent almost fifteen years at two different infrared instrument companies, ranging from basic instrument software development to customer-specific applications to product management. After leaving, Dr. Powell was a co-founder of a start-up company supplying turn-key laboratories to remote mining operations before joining Analytical Answers.

Ellen V. Miseo, PhD, is a Senior Scientist at Analytical Answers, Inc. Over the course of her career, she has developed new instrumentation, commercialized new techniques, and anticipated new trends in the industry. After receiving her PhD in Physical Chemistry from Polytechnic Institute of New York, Dr. Miseo worked at Arthur D. Little, Inc., where she developed her skills in applying infrared spectroscopy to traditional and non traditional problems. She then moved to Bio-Rad's Digilab division, where she was the product manager and champion for the infrared imaging technology. When the business was acquired by Varian (later Agilent) she mentored new people and provided technical expertise across the entire infrared product line.

Dr. Miseo has been actively involved in the educational mission of the Coblentz Society. She is a member of the Coblentz Society education committee and has taught training courses on infrared spectroscopy and its uses in industry within the corporate framework of her employer. In addition, she is on the teaching staff of IR Courses, a nonprofit whose mission is to provide continuing education in infrared spectroscopy.