



Jay Snyder has worked with universities, manufacturers of respiratory protection equipment, and the National Institute for Occupational Safety and Health (NIOSH) on end of service life (ESLI) applications. Mathematical models were developed and adopted as predictors (Breakthrough and MultiVapor). A joint patent between UC San Diego students, Dr. Michael Sailor, and Jay Snyder was obtained covering the development and integration of photonic chemical sensors for ESLI applications.