Stephen P. Beaudoin is a Professor in the School of Chemical Engineering at Purdue University, where he also serves as the Director of the Purdue Energetics Research Center (PERC), a multidisciplinary research center that supports research across the DoD, DOE, and DHS. Beaudoin has published more than 100 articles in the refereed literature, with a focus on particle and powder adhesion in energetic materials engineering, detection and processing; and in microelectronics, food, and pharmaceutical manufacturing. He serves as the Leader of the Trace and Vapor Sensors Research Thrust in ALERT (Awareness and Localization of Explosives-Related Threats), a U.S. Department of Homeland Security-sponsored Center of Excellence in Explosives Research. He also serves as Academic Director of the Dual MS in Defense Engineering and Technology degree program, which is jointly offered by Purdue and Cranfield University (UK).