

Technology Enabled Product Development at 3M

Friday, Feb 23
3:15 pm
RNS 390

Chemistry Seminar

At 3M, a diverse manufacturer of over 60,000 products, we rely on 51 technology platforms to maintain our position as a world leader in new and existing markets. Adhesives sits at the heart of 3M and is one of the oldest technologies we continue to maintain. The history of tape and subsequent migration into adjacent adhesive applications will be shared. This talk will also provide insight on how 3M leveraged existing technology expertise to create an innovative new product.

Alex Kugel is currently a Senior Product Development Specialist in the Industrial Adhesives and Tapes Division at 3M. After receiving his B.A. in Chemistry from Saint Mary's University of MN in 1998 he was employed by the Xerox Corporation in Wilsonville, Oregon as a lab technician working on phase change inks, dye synthesis, resin chemistry and synthetic chemistry scale-up activities. He then pursued graduate work at North Dakota State University receiving his Ph.D. in Coatings and Polymeric Materials Science in 2009. 3M hired him in 2010 to work on a number of coatings programs in their Corporate Research Materials Lab from which he migrated into the business unit where he is today. With expertise in polyurethane chemistry, statistical design, coatings formulating, adhesive science and intellectual property strategy he holds over 30 granted US patents.

