

**APPLICATIONS OF X-RAY FLUORESCENCE
FOR THE ELECTRONICS INDUSTRY**

W. Wayne Brubaker
Corporate Center for Analytical Sciences
DuPont Central Research and Development, Wilmington, DE

Materials research and societal needs continue to drive the expansion of the “electronics industry” in various arenas. One example is photovoltaics where the market for alternative solar energy is expected to grow about 30% each year for the next several years. Associated products include a wide array of resins, films, substrates, and conductive pastes. This presentation will provide an overview of photovoltaics, microcircuit materials, and their related markets as well as specific examples of x-ray fluorescence (XRF) applications that advance the R&D and manufacturing efforts in these areas.