Apr 28th, 8:00 AM

Paper Session I-C - PolyOne's Corrosion Control and Anti-Static Coatings

Chris Geer
PolyOne Corporation

1C - Commercial Use of Spaceport Technologies

PolyOne's Corrosion Control and Anti-Static Coatings
Chris Greer, PolyOne Corporation

NASA's research efforts on inherently conductive polymers (ICP) led to the discovery of Polyaniline chains grafted to Lignin. GeoTech Chemical, LLC licensed the rights to this technology named "Ligno-Pani" and incorporated it into their Catize® paint additive for corrosion control. Recently, PolyOne Corporation signed an exclusive licensing agreement with GeoTech to manufacture and market products incorporating this technology [Catize® corrosion control additives and Teslart™ inherently conductive polymers (ICP)]. PolyOne is an international polymer services company with operations in thermoplastic compounds, specialty resins, engineered films, color and additive systems, elastomer compounding, and thermoplastic resin distribution.

Chris Geer, of PolyOne, will discuss how these two NASA-based technologies have enabled PolyOne to add value to their current product lines and, more importantly, have enabled entry into higher margin markets. He will discuss the patented Teslart ICP additives use with solvent- or water-based resins for use in corrosion-resistant coatings, anti-fouling coatings, anti-static fabrics and packaging, conductive inks and adhesives, EMI/RFI shielding and electronic products. And he will discuss how Catize products, containing both ICPs and metal particles, can be added to paints, coil coatings, pre-treatments and other systems to prevent corrosion. Key benefits to end users and consumers will also be presented.