

ASMS Polymer Interest Group Workshop Report

Workshop date: Tuesday June 2, Room 275

Interest group Chair for 2015-2016: Gyorgy Vas

Interest Group Co-chair 2015-2016: Stephen Rumbelow

Number of attendees: 62

The workshop was organized to discuss **Mass Spectrometry Technology and Challenges within the polymeric material field**. Three topics were discussed during the workshop, each topic had about 30 minutes discussion. The topics were presented as non-formal discussion about 5 slides for each topics.

The first topic was discussed was related to quantitation of polymeric oligomers for regulatory filing. Different examples were discussed.

The second topic was presented by Scott M. Grayson, Tulane University, New Orleans. The discussion topic was "Using Ion Mobility Spectrometry-Mass Spectrometry (IMS-MS) to Characterize Branching in Poly(ethylene glycol) Star Polymers" The presentation and discussion gave a comprehensive overview how to use mass spectrometry to evaluate different shape polymer oligomers.

The third topic was discussed about recent activities in VAMAS (Versailles Project on Advanced Materials and Standards). VAMAS supports world trade in products dependent on advanced materials technologies, through International collaborative projects aimed at providing the technical basis for harmonized measurements, testing, specifications, and standards. There will be some proposed changes in standard organizations such ISO how to standardize polymeric materials, by mass spectrometry.