

Workshop date: Tuesday, June 4th 2019

Workshop Room: A315

Chair: Christina Mastromatteo (Lubrizol)

Chair-elect: Jessica Hoskins (Stepan)

Attendance: 40-60 attendees. Attendees rolled in and out of the room as topics began and ended.

This year's meeting focused on analysis of polymer architecture and consisted of three distinct sections:

▪ Workshop:

KMD applications to polymer analysis – Dr. Thierry Fouquet

(National Institute of Advanced Industrial Science and Technology (AIST))

Thierry presented a step-by-step how to analyze polymers using Kendrick Mass defects (KMD) and the wealth of information that can be gleaned using this method.

▪ Innovation in polymer analysis:

Hydrogel Crosslinking Studies by Mass Spectrometry – Prof. Chrys Wesdemiotis

(University of Akron)

Chrys presented ASAP work that had been done to analyze crosslinked polymers potentially used as excipients.

Both of these topics seemed of great interest to the polymer community and generated good discussion.

▪ Open forum:

- *New developments in the study of polymers*
- *Upcoming posters / presentations*
- *Other discussion points?*
- *Workshop topics for next year*

- Some instrument news was discussed.
- A series of short elevator talks (3-5 min each) by presenters regarding upcoming presentations provided each speaker an opportunity to promote their work externally to a professional scientific audience in their specialized field.
- Much discussion about applicability of IM-MS for industrial samples ensued.

Suggested improvements for future years:

- The Polymer Poster Session took place the day before the Workshop. It's recommended that the Workshop be held earlier in the week to give students more of an opportunity to present.
- The Workshop room was difficult to find, students and regular attendees helped direct participants. We suggest that in future years there is signage for sessions away from the main workshop corridor.
- Polymer oral session WOHA: Wednesday, June 5th 2019; *i.e.* the day after the Workshop. It gave us an opportunity to highlight the oral session to new Workshop attendees. This was a positive.