



251st ACS National Meeting and Exposition

Graphical abstracts for submission open Aug 2015 and close Oct 2015

Symposium: Polymer Advanced & Additive Manufacturing

TOPICS/SESSIONS: modeling / simulation (*Computers in Chemistry*), new / advanced materials design for polymer AM, and current implementation of advanced manufacturing techniques

Additive Manufacturing needs:

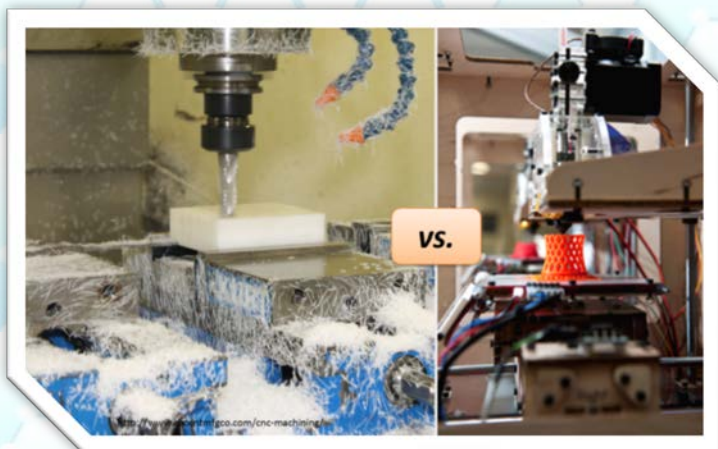
- Larger catalog of working materials
- Structure-Property-Process understanding

Chemistry Opportunities:

- Tailoring rheology/viscosity for AM platforms with new macromolecular architectures
- Understanding intermolecular interactions at interfaces, surfaces, and interfacial phenomena
- Physical properties of layered architectures
- New orthogonal synthetic methods and photo-reactive monomers/oligomers



Combining Academic Endeavors & Industrial Practices



Symposium co-organizers:

- Gobet Advincula, Case Western, rca41@case.edu
- Tim Long, Virginia Tech, telong@vt.edu
- Jamie Messman, Honeywell FM&T, jmessman@kcp.com
- Chris Williams Virginia Tech, cbwill@vt.edu