

NWPA SPE Monthly Meeting

THURSDAY FEBRUARY 18, 2016

Penn State Behrend, Burke Building Clark Café, Erie PA

Park in Burke Parking Ramp, Enter Building, Go Downstairs

5.30pm Social 6.00pm Dinner Speaker to follow

\$18 SPE member/\$20 non-member

Behrend Plastics students will discuss their award winning research. After a brief topic introduction, student speakers will be available in classrooms with visuals for further, in-depth discussion and to answer questions.

Speaker: Rebecca Wheeler and Kyle Radack

Topic: Effects of Processing on Weld Line and Thermal Conductivity Properties of PEEK Composites

Thermal and physical properties of PEEK/BN composites were established as a function of BN loading on processing parameters. Evolution of the mold design to collect flow and thermal conditions during molding will also be discussed

Speaker: Stacey Johnson

Topic: Using Infrared Temperature Sensors to Study the Change in Temperature of PVC During Flow, Including Melt Rotation

Infrared temperature sensors were used to study the effect of mold rotation technology on the plastic melt temperature and shear-burning that commonly occurs with PVC.

Speaker: Kendal Clouse

Topic: Investigating the Creation of Reformable Bridge Structures through Processing Ternary Systems

Creating a high aspect ratio filler that will break apart during processing but reform after processing, comparable to glass fiber used in filled materials but without the breakage that usually occurs during processing.

Menu: Lasagna, Salad, Vegetables, rolls, tea, water, brownies

RSVP: www.nwpaspe.org or email to lad115@psu.edu

We hope to see you there!