

AIChE Susquehanna Section – Philadelphia Mixing Solutions R&D Tour

When: Wednesday, April 18, 2018 @ 5:30 PM

Program: Bob Dowd, Jason Giacomelli, and Ben Boyer, all part of the Process Technology Team at Philadelphia Mixing Solutions Ltd. (PMSL), will give us a presentation tour of their R&D mixing facility. (www.philamixers.com)

In the R&D tour, PMSL will demonstrate gas-liquid mixing in tall aspect ratio vessels. This is relevant to industries which use biological aerobic processes to manufacture a desired chemical product such as penicillin.

In design and scale up of gas-liquid mixing, the goal is to disperse the gas completely and ensure the liquid phase is uniformly mixed. The agitator must operate at a minimum speed to disperse the gas and control the flow pattern. PMSL will demonstrate the different gas-liquid dispersion regimes and demonstrate the measurement of the volumetric liquid-side mass transfer coefficient (kLa). This will be demonstrated through modeling as well as lab testing.

PMSL's team of R&D mixing experts holds multiple patents and utilize groundbreaking modelling techniques to find breakthroughs in mixing technology.

Address: Philadelphia Mixing Solutions Ltd., 1221 E Main Street, Palmyra, PA 17078

Schedule: 5:15 – 5:45 pm Arrival and networking (please arrive by 5:30 pm)
5:45 – 6:45 pm R&D mixing demonstration / facility tour
7:00 – 8:00 pm Dinner at nearby restaurant (settle your own bill)

Dinner: Funck's Palmyra, 664 W Main St, Palmyra, PA 17078 (www.funcks.com)

RSVP: Please RSVP by Thursday April 12 at our Section website,
<https://www.aiche.org/community/sites/local-sections/susquehanna>

A 1-hour PDH certificate is available by request on the website.

There is no cost to attend this meeting. Guests are welcome!

Save the Date:

Our annual Student Scholarship meeting will be held Tuesday May 22, 2018 at the Giant Center in Hershey. We are having a Career Forum put on by AIChE Susquehanna Section board members to give the students a good perspective of the ChE profession. Please plan to join us!