The CPAC / MK Optimization and Control Virtual Rome Workshop

March 21–23, 2022 | Rome, Italy


Technology Overview and Workshop Theme

A key enabler of the move to a Circular Economy will be process intensification, which offers much more efficient processing for the sustainable production of a broad range of new platform chemicals, including a growing list of biomass derived molecules, and resulting in lower volume distributed waste streams.

Using new chemistries and catalysts these new starting materials including nanomaterials are being converted to a range of new composites and materials with advanced properties. The 2022 Rome meeting will build on this theme of sustainable production and will focus on next generation materials. In addition, there will be an emphasis on exploring new reaction routes that benefit from the growing use of continuous flow technology and effective monitoring concepts. The evolution of flow microscale reactions coupled with rapid analysis technology has led to a wide range of process intensification developments. Continuous analysis of reaction progress (PAT – Process Analytical Technology) enables multiple steps to be efficiently combined and optimized offering much more cost-effective processing. The key next step is the integration of the various unit operations including separations into end-to-end optimized continuous processes.

CPAC (Center for Process Analysis and Control) has an established track record in fostering academic and industrial interactions. www.apl.uw.edu/cpac

REGISTRATION

The registration fee will be $750 USD for in-person participation and $300 USD for virtual participation (if that can be set up at the UW Rome Center).

Registration site: http://mkcontrol.com/rome-meeting-2022.html

Contact Mel Koch (kochm@uw.edu) or Nan Holmes (nsh@uw.edu) for additional information.

Rome Workshop Organizers

Ray Chrisman, MK Optimization and Control LLC, and Mel Koch, CPAC and MK Optimization and Control LLC.

Advisory Steering Committee

Giancarlo Cravotto, U. Turin, Italy; Claude De Bellefon, U. Lyon, France; Ludo Diels, VITO, Belgium; Frank Gupton, Virginia Commonwealth University, USA; Volker Hessel, U. Adelaide, Australia; Simone Maccagnan, Gimac Microextruders, Italy; Brian Marquardt, U. Washington and MarqMetrix, USA; Peter Poechlauer, Thermo Fisher Scientific, Austria; Kurt VandenBussche, UOP, USA; Paul Watts, Nelson Mandela University, South Africa