



TRANSDUCER

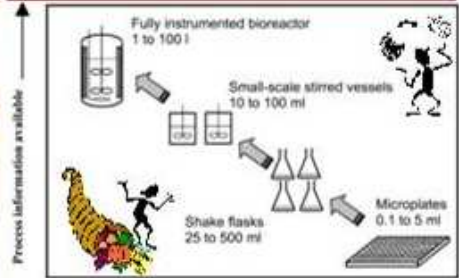
FEATURE EVENT:



A workshop covering Bioreactor Process Controls. Our presenters will offer their knowledge, experience, and perspective on this challenging topic. Focus will be on automation and controls, and use of standards for bioreactors in a Pharmaceutical Research & Development environment, including overview of Industrial R&D Bioreactors and a State-Of-The-Art Application Case Study, known as Mini-Reactor Flexi Benches, and address today's challenges and benefits of standards & practices like offered by ISA.



Section Meeting –
Wednesday, September 15, 2010
 ⇒ All invited, including non-members! ⇐



Topics include:
 Bioreactors and Biotechnology Industry Overview; R&D Bioreactor Cell Platforms, Technology, Materials, Modes of Operation, BioSafety, Bioreactor Controls Overview (Automation Elements, Level of Automation and Control Schemes for R&D Bioreactors - Temperature, pH, Dissolved O₂, Dissolved CO₂, Feed Pumps, Pressure, Weight, Other)
 State-Of-The-Art Case Study, Mini-Reactor Flexi Benches project; Portability of Equipment & Controls. Facility Issues, Additional Equipment, Updated Instrumentation and New Online Probes, Controls: Memory Capacity, Hardware Footprint & Software Conversion, Process Ergonomics, and Process Storage.

September Speakers from GlaxoSmithKline BioPharm R&D:

William Bunk - Engineering Mgr and **Martin Lotito PE** - Senior Project Mgr
 Bill is responsible for Engineering and Automation supporting Product Development and GMP Clinical Production for their pilot plant and supporting automation infrastructure in Upper Merion, PA. With over 20 years of automation experience, Bill has spent the last 11 years at GSK in a number of engineering positions leading to his current role. Prior to joining GSK, Bill worked for Moore Products / Siemens Energy & Automation as an Automation Engineer, and has a Bachelors degree in Electrical Engineering Technology from the NJ Institute of Technology.

Marty is responsible for Capital Projects & with for 10 years, previously was with Merck & Co. in Vaccine R&D and Manufacturing, and also worked with Rorer Pharmaceutical in engineering and production of various oral and topical dosage forms. Marty holds a Bachelors degree in Chemical Engineering from Princeton University, a Masters in Chem. Eng. from Villanova University, including a Certificate in Process Control, and is a registered Professional Engineer. He has presented "High Containment of Potent Compounds" for both ISPE and PDA.

Sponsor

One of the world's leading research-based pharmaceutical and healthcare companies, the GSK BioPharm R&D Unit seeks to harness the therapeutic potential of biopharmaceuticals for the benefit of patients with debilitating and life threatening diseases.

DATE & TIME: Wednesday September 15, 2010: Open 5:15 PM –

FREE meal* by *Sophisticated Affairs* at 5:30 PM (pre-register! – \$10 at door);

Meeting starts at 6:30 PM – Speaker's presentation 6:45 PM to 7:45 PM – Vendor displays & socialize before & after talk.

LOCATION: **Rumsey Electric Automation Solutions** -- www.rumsey.com

15 Colwell Lane, Conshohocken, Pa 19428 Phone: (610) 832-9000 Fax: (610) 941-8181

DIRECTIONS: SEE ATTACHED MAPS – or Google directions from your location.

COST: ⇒ **FREE!** Meal included if registered on time! ⇐ * **NOTE: If not registered, \$10.00 at the door**

Please register by Monday, September 13th, by calling (215) 637-5534 or E-mail: isaphilaed@msn.com

NOTE: Also see Philadelphia Section Website: www.isa-philly.org. <<< **New, Easier to Remember Domain Name!**

To remember how to find us at any time: Merely go to [www.isa.org], pull-down [Communities] select [Sections], then [Philadelphia]

ALSO: Type "philadelphia isa" into any major search engine, such as GOOGLE and we are the first or second entry that appears!

⇒ **Copy this notice for posting at your company; pass it on to anyone else you feel is interested!** ⇐

Next: November 17th – – **Bulk & Liquid Level by Milltronics**

at Ives Equipment, King of Prussia, PA 601 Croton Road, King of Prussia, PA 19406

Map to Rumsey in Conshohocken, PA

15 Colwell Lane

Conshohocken, Pa 19428

Phone: (610)832-9000

Fax: (610)941-8181

Toll Free: (800) 462-2402

www.rumsey.com

