

The Upstate New York Laboratory Robotics Interest Group (LRIG)

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An Introduction to the
Upstate New York LRIG

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Outline

- The Dreaded Mission Statement
- What is LRIG?
- Why we have an Upstate New York LRIG
- How the Upstate New York LRIG and CATS are related

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The Dreaded Mission Statement

In my own words:

To provide an open and unbiased forum for users and providers of laboratory automation to communicate and exchange ideas*

- Physical meeting place
- Virtual meeting place
- Encourage open discussion of LA technologies
- Evaluate new technologies and instruments
- Share best practices and experiences

*See www.lab-robotics.org for a complete mission statement

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What is LRIG?

- Volunteer organization, Professionally run, membership-driven
- Regional
- Over 9,000 scientists, lab managers, researchers, engineers
- Pharmaceutical, biotechnology, genomics, chemical, agricultural, cosmetic, etc.
- Industrial, Government, Academic
- "Laboratory Robotics" name doesn't capture all activities and interests: Robotics, automation, instrumentation, high-throughput screening, drug discovery, compound management, compound purification, compound distribution, bioinformatics, combinatorial chemistry, chemical synthesis, data management, validation, pharmaceutical form sample preparation, dissolution testing, toxicity testing and product formulation among others.

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LRIG Business Model

- Free Membership
- Free attendance
- Free food
- Unbiased
- Membership data vigorously protected
 - Mailing lists are not shared
 - Moderated forum
- Online Forums:
 - Discussion
 - Swap Shop
 - Career Center
- Vendor funded

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Organizational Structure

- Franchise Model
 - Pseudo parent organization (NJ), pseudo chapters are organizationally/fiscally separate
 - Extensive informal sharing and cooperation among chapter
- 12 chapters US + Europe, Germany, Japan
- Growth approx. 2 chapters per year



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Typical Meeting Format

- One evening event: ~3pm to ~9pm – free admission
- Social hour (networking with free food)
- Vendor exhibits: 10-50 tables (with more free food)
- 3-5 scientific presentations (with still more free food)
- Vendor workshops

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The Upstate New York LRIG



Contact Information: www.lab-robotics.org/upstate
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Inaugural Meeting Highlights

Scientific Presentations:

- "Laboratory Automation Strategies", Dr. Steve Fillers, TekCel
- "Automation Analysis of Edible Oils and Lubricants by FTIR Spectroscopy-Problems and Solutions", Dr. F.R. Van de Voort, McGill University
- "High Throughput Crystallization System Development at Bristol-Myers Squibb", Dr. Anne I. Song, BMS
- "Microarray Biochips for High-Throughput Drug Screening", Dr. Moo-Yeal Lee, Solidus Biosciences



Posters:

- "Adaptive Scanning Optical Microscope", Dr. Benjamin Potsaid, CATS
- "New York State Police Forensic Investigation Center: Automated DNA Casework", Danielle Brownell
- "New York State Police Forensic Investigation Center: Automated DNA Database", Brian J. Murphy
- "Vial Syringe: Different Volumes in Each Vial", John Brohan, Traders Micro
- "From the Factory to the Lab: Flexible Automation Solutions Provide Quality and Quantity", Applied Robotics

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Inaugural Meeting and Vendor Exhibition

~150 Attendees

- Wyeth Research
- NYS Dept of Health
- Wadsworth Labs
- Albany Molecular Research, Inc.
- Center for Functional Genomics
- Bristol-Myers Squibb
- NYS Division of State Police
- Regeneron Pharmaceuticals
- The Genomics Institute
- Rensselaer
- Taconic Labs
- Ordway Research Institute
- SUNYA
- GE Research
- Clarkson University
- Ceuticalssoft
- NextAdvance
- SUNY Stonybrook
- Solidus Biosciences



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A Good Start, but New York is so BIG...

- Semiannual meetings
- Annual Vendor Exhibition
- Focused topics

"Roving" Chapter?



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Relationship between CATS and LRIG

CATS is Seeking collaborations in the life sciences that complement our expertise in advanced manufacturing systems, autonomous systems and optomechanics



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