

**A Two-Day Short Course Presented by
The Center for Automation Technologies and Systems (CATS)
Capacity Planning and Production Control with POLCA
A Lean Manufacturing Strategy for High-mix Environments
and Custom Engineered Products**

Find out how to attain:

- **Inventory reductions of as much as 90%**
- **Lead time reductions of 60% and more**
- **Predictable production schedules for 99% on-time delivery**
- **The ability to compete on speed, even for custom engineered products**
- **Simplified planning and scheduling**

Come to Rensselaer and learn about a proven, effective production- and material-control system specially designed for custom manufacturers and others with custom-engineered products and high product variety.

In today's environment every manufacturer seeks to improve competitiveness, reduce costs, and increase customer satisfaction and loyalty. Lean Manufacturing and just-in-time techniques promise these things, but they are most applicable to repetitive high-volume production. For manufacturers with a high-mix, low volume environment, a better solution is now available.

A production control and capacity planning technique called **POLCA** – Paired-cell Overlapping Loops of Cards with Authorization – combines the best aspects of push

and pull/kanban systems and adapts them to the needs of producers of high-mix or custom engineered products.

Learn more about implementing this powerful system in your company at a Short Course sponsored by the Center for Automation Technologies and Systems (CATS) at Rensselaer Polytechnic Institute. The material presented at the Course will give well-prepared companies enough information to get started on reaping the benefits of POLCA right away.

***An excellent, practical introduction
to the topic.***

- VP Plant Operations

When: September 19-20, 2006

Where: Rensselaer Polytechnic Institute, Troy, NY
(Directions to follow with complete registration)

Short course format:

- Instructor presentation
- Hands-on simulation production using POLCA
- Case studies
- Participant-specific issues

Target audience: VP of Operations, VP of Manufacturing, General Manager, Plant Manager, Production Planner, Production Scheduler

Cost: US\$995 per participant for the full two days, including materials and lunch.

Register by August 18!

**Visit our web site:
www.cats.rpi.edu**

At the Short Course attendees will:

- Learn capacity planning and production tradeoffs in industries with high-mix or custom-engineered products.
- Identify efficient strategies that enable lead time reduction and quick response
- Demonstrate POLCA in hands-on exercises
- Discuss case studies in POLCA implementation
- Address specific questions and concerns of participants

The Instructor, Ananth Krishnamurthy, is Assistant Professor of Decision Sciences and Engineering Systems at Rensselaer Polytechnic Institute. He is an expert in queuing theory, stochastic modeling, complex systems and the development of manufacturing control policies. He has consulted with several US manufacturers in the implementation of quick response systems and delivered numerous courses in POLCA and other systems. Dr. Krishnamurthy holds the Ph.D. from the University of Wisconsin.

Registration Form

Capacity Planning and Production Control with POLCA
September 19-20, 2006
Rensselaer Polytechnic Institute

Please mail this form with your check to:
The Center for Automation Technologies and Systems
CII 8015
Rensselaer Polytechnic Institute
110 8th Street
Troy, NY 12180



Contact: Mrs. Jeanette Young (518) 276-8744; cats-info@rpi.edu
FAX: (518) 276-4897

Name: _____ Job Title: _____

Company: _____ Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____ Email: _____

___ My check for \$995.00 is enclosed. Please make check payable to Rensselaer Polytechnic Institute.

___ **I am from a New York State company.** My check, with a New York State address imprinted on it, for \$745.00 is enclosed. Please make check payable to Rensselaer Polytechnic Institute.

___ Charge the amount _____ CC # _____
of \$ _____ to my credit card

___ Mastercard ___ Visa Expiration date _____

Name on card _____

Signature: _____

Deadline, Cancellation and Refunds: The registration deadline for this course is *August 18, 2006*. Paid registrations must be received by this date. No refunds can be given after this date. Full refunds will be given if there is insufficient registered attendance.