



*The Educational Society for
Resource Management*



PDM Dinner Meeting

Process Flow Models

Tuesday, April 20, 2004
Speaker: Mr. Terry Anger, CPIM (See Bio on page 6)

- Have you ever had a production process, where the bill of material did not account for all materials; such as, waste or lower grade product, along with the standard product?
- Have you ever had to create levels in your product structures that were not really there; they were phantom levels and generally more than one?
- Have you ever had instances where the product pathway called for batch and continuous processes, in sequence, which had to be tightly orchestrated to assure on-time delivery and work center efficiency levels?

Situations, such as these are indicative of “process” manufacturing as opposed to discrete or flexible manufacturing. And even then, the distinction between these two broad categories of manufacturing is often fuzzy and confusing. *(Continued on page 6)*

RSVP by Friday, April 16, 2004

Agenda

5:30 Registration
6:00-8:00 Dinner/Speaker

Red Lion Hotel in Sacramento,
(Arden Avenue at Capital Expressway).
Sacramento, CA. **Please call
(916) 650-8660**, or email Ed
Mercado at edmercado@msn.com
and provide the attendee’s name,
company, telephone number, fax
or email address.

Volume 19 Issue 8

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Education at CSU Sacramento

Every now and then, I'll come across words of wisdom that actually seem worthwhile. In this case, I've received an email from my boss entitled, "Thoughts to Live By" that are a collection of interesting guidelines from General Colin Powell. Whether or not you agree with these viewpoints, they'll likely get you think about how you approach your daily work and perhaps influence you to engage a particular problem or situation with a different perspective. Even if you're not able to take any value from these, I'm glad I didn't delete this particular email from my boss without reading. Enjoy.

General Colin Powell's Rules

1. It isn't as bad as you think; it will look better in the morning.
2. Get mad; then get over it.
3. Avoid having your ego so close to your position that when your position falls over, your ego goes with it.
4. It can be done!
5. Be careful what you choose; you may get it.
6. Don't let adverse facts stand in the way of a good decision.
7. You can't make someone else's choices; you shouldn't let someone else make yours.
8. Check small things.
9. Share credit.
10. Remain calm. Be kind.
11. Have a vision.
12. Don't take counsel of your fears or nay Sayers.
13. Perpetual optimism is a force multiplier.

Jeff Duvall CPIM
Asst. VP Education

April 2004

- 20 Professional Development Meeting.
Mr. Terry Anger, CPIM (Topic: Process Flow Models)
- TBA Board of Directors meeting 6:00 PM at
Lyons near Richards Blvd and I-5

May 2004

- 18 Professional Development Meeting.
Speaker and topic to be announced.
- TBA Board of Directors meeting 6:00 PM at
Lyons near Richards Blvd and I-5

June 2004

- 15 Professional Development Meeting. ERP
Implementation Lessons presented by
Bill Caskey
- TBA Board of Directors meeting 6:00 PM at
Lyons near Richards Blvd and I-5

Materials Management Certification Program

Prepare for the APICS CPIM exam while earning an academic certification from CSUS. Please contact Jennifer Williams at jennifer.williams@csus.edu or (916) 278-4268 or visit www.cce.csus.edu and look for Business Operations under Courses & Programs. Each of the six Materials Management courses are offered once each year. Please call (916) 278-4433 to register.

All courses are held at CSUS Campus, Sacramento on Tuesdays and Thursdays. Dates and times are subject to change. Please visit www.cce.csus.edu for up-to-the-moment course schedules. Call Tanis Perez for more information at 916/748-8194.

[California State University Sacramento](#) [College of Continuing Education \(CCE\)](#)

Classes are offered through California State University Sacramento College of Continuing Education (CCE). To register please contact CCE Customer Service at (916) 278-4433 (*dates / times subject to change*)

Supply Chain Management Certification Program

When	Class & Course Code	Times	Cost
Apr 13—May 11, 2004	Execution and Control of Operations	Tues & Thurs (5:30—8:30 PM)	\$489
May 20—Jun 17, 2004	Strategic Management of Resources	Tues & Thurs (5:30—8:30 PM)	\$489

Materials Management

Apr 13—May 11, 2004	Execution and Control of Operations	Tues & Thurs (5:30—8:30 PM)	\$489
May 20—June 17, 2004	Strategic Management and Resources	Tues & Thurs (5:30—8:30 PM)	\$489

For Sale!



Computer Based CPIM Exams

Computer based CPIM exams are offered by Promissor.

All of the info you will need to register for an APICS exam can be found at <http://www.promissor.com/>

- Select "Professional Certification Exams" under the "Find Test Information" section.

- Select the "APICS..." option.

Read the "Description of New Registration Process (pdf)".

It has all the info you should need including how to get dates, locations, cost, and registration process.

Weber State University On-line APICS Certification Courses

SU Online is the virtual campus for Weber State University, delivering online courses via the World Wide Web. Five courses are offered in partnership with APICS:

- * Basics of Supply Chain Management
- * Master Planning of Resources
- * Detail Scheduling and Planning
- * Execution and Control of Operations
- * Strategic Management of Resources

Exam review courses can be taken collectively for CPIM certification or taken separately to suit the needs of the company or individual. For more information, go to <http://www.wsuonline.weber.edu>. Remember to tell them you're a member of Sacramento APICS! ☀

CIRM Courses Available On-Line

CIRM is a comprehensive educational program designed to help you understand the power of collaboration among organizational resources such as product development, marketing/sales, human resources, finance, and operations. The CIRM program enables you to effectively interact with cross-functional departments for more strategic decision making, enhanced collaboration, and improved productivity

On-line CIRM Courses are available at www.epiweb.net. Be sure to reference Sacramento APICS when registering.

CPIM Courses Available On-Line

CPIM applies to many supply chain tasks and provides the necessary knowledge to thrive in today's global competitive environment-both in terms of reducing costs and increasing customer loyalty.

Since 1973, the CPIM program has educated more than 75,000 manufacturing professionals on essential terminology, concepts, and strategies related to demand management, procurement and supplier planning, material requirements planning, capacity requirements planning, sales and operations planning, master scheduling, performance measurements, supplier relationships, quality control, and continuous improvement.

To register for your next CPIM exam, visit www.asivcs.com/publications/html/faq_apics.asp or call Promissor Customer Care at 1-800-274-8399 or 610-617-5093.

APICS Sacramento Company Coordinators

Our Company Coordinators serve as the principal communication links between the Sacramento Chapter of APICS and their companies and fellow employees. If you work for one of the companies listed below and need APICS Chapter information of any kind, please feel free to contact them.

If you do not see your company listed below, it is because *you* haven't volunteered. To become a coordinator, call Melanie Hoots at (916) 785-1186 or JT Smith at (916) 359-2289.☀

Aerojet: Steve Reingold—(916) 355-2552
steven.reingold@aerojet.com

Agilent Technologies: Chris Olmstead—(916) 788-6246
chris_olmstead@agilent.com

Ames Company: Alan Holst—(530) 666-2493
holstam@wattsind.com

Apple Computer: Sandy Madruga
smadruga@apple.com

Applied Aerospace Structures Corp. Tom Samborski—(209) 983-3202
tsamborski@aascworld.com

Baxter Planning Systems: Norman Flores—(916) 788-6254
ncflores@yahoo.com

CSU—Sacramento: Herb Blake—(916) 278-6722 and Linda McElroy (916) 278-4297
blakeh@csus.edu
lrmcelroy@csus.edu

Coherent: Leah Geckeler—(530) 889-5295
Leah_Geckeler@cohr.com

Genentech: Vacant
Candrade@gene.com

Hewlett Packard: Tom Leard—(916) 748-8308
Tom_leard@hp.com

Institute of World Class Management Gerhard Plenert—(916) 536-9751
Plenert@aol.com

Motion Control Engineering: James Gines—(916) 463-9354
jamesg@mceinc.com

NEC: Gail Reinke
GReinke@el.nec.com

Output Technology Solutions: John Sapp—(916) 939-5964
john_sapp@billing.com

Pasco Scientific: Michael Reeve
reeve@pasco.com

Siemens Transportation Systems Ron Hazard—(916) 681-3278
Ron.Hazard@sts.siemens.com

Solectron : John Walsh—(916) 434-4869
johnwalsh@sac.slr.com

Varian: Chris Mathiot—(916) 632-3456 x373
chris.mathiot@varianinc.com

Industrial Engineers: Hubbert Booze—916-956-2746
hbooze@attbi.com☀

Notable Quotes

We are the hero of our own story.

-Mary McCarthy-

People prefer to follow those who help them, not those who intimidate them.

-C. Gene Wilkes-

Check Out the APICS Career Center Online

Whether you are in the market for a job or just want to keep your options open, you'll want to search the APICS Career Center for available jobs, or to post your resume...the perfect fit could be waiting for you!

http://www.apics.org/CareerCenter/careercenter_gateway.htm

And don't forget that APICS is a great place to network with the employees of the region's leading employers. Not only can you mix, mingle, and network but you also receive valuable professional development information. A job opportunity can be discovered anywhere, don't miss the chance to find one through your own local network

Carol Thompson
VP Job Opportunities

PDM Dinner Meeting: Terry Anger's, CPIM Topic and Bio

Generally the more that manufacturing procedures exhibit “process” characteristics and less “discrete/flexible” characteristics, the harder it is to apply bills of material and process routings to the production process and not have procedural or material requirements left over.

This presentation briefly covers the differences between discrete/flexible and process manufacturing. A look at various industries, their relationship to products and processes and which have been able to successfully apply MRP principles, leads to the conclusion that Bills of Materials and Process Routings do not satisfy all industry requirements. The presentation then outlines an alternate modeling concept, combining the aspects of bills of material and routings into a new format, which addresses “process” manufacturing characteristics in a more effective manner. The resulting process flow modeling allows for, such “process” characteristics as:

- Multiple products,
- Combining batch and continuous operations in a synchronous manner,
- Combining multiple steps into a single scheduling unit,
- Batch size definitions for maintaining formulae/recipe integrity,
- Maintaining small and dynamic queues between production steps,
- Use of different consumption reporting methods per resource,
- Yield definition and tracking,
- Cleanup and setup definitions,
- “Earned” value accounting,

as well as other “process” attributes.

Examples of specific industry models are presented, throughout the talk, as illustrations on how the process flow modeling concept can be applied in:

- Planning and scheduling factory requirements, current and future,
- Releasing work to the factory floor,
- Reporting production results and analyzing performance.

ABOUT OUR SPEAKER:

Terry Anger has been a manufacturing practitioner for over 35 years. He is currently a Senior Implementation Consultant for Invensys Production Solutions, where he is involved in business process analysis and system implementation, training and education for the company's Prism and Protean ERP Systems. Prior to joining Invensys, Terry was a manufacturing consultant for Grant Thornton, LLP, Anger Enterprises, Cooper and Lybrand, LLP, and Alan G. Dunn, Inc.

His industrial, manufacturing experience, 20 years in total, includes various positions in manufacturing management in the development and production of medical diagnostic reagents, calibrators and controls with Beckman Instruments and Baxter Laboratories. For both companies he was actively involved in process and product development, planning, production, facility and equipment design and fabrication and in several new plant startups. The majority of the products under his control were biologically based.

Terry's career has provided a solid background in discrete and process manufacturing processes and practices and the application of MRP II/ERP Systems for business and operations planning, factory scheduling, inventory control and manufacturing costs and cost control.

Terry has a Bachelor of Science Degree in Chemistry from Cal State University, San Francisco. He is certified in Production and Inventory Management by Cal State University, Fullerton and CPIM by APICS. He has been a National Tutorial Instructor for APICS and a member of APICS and the Orange County Chapter for 25 years. Terry is currently serving as a Director on the Orange County APICS Board of Directors.

APICS Sacramento Job Opportunities Notes



Are you seeking another job or career change? Don't forget to check out the APICS-Sacramento Job Opportunities located at <http://www.apicsacramento.com>. You can also find national job opportunities by checking out the national APICS web site located at <http://www.apics.org>.

There are also many companies, consultants, and career counselors who can assist with items such as: resume writing, cover letters, interviewing skills, negotiating skills, as well as personal goals and objectives. Check out the yellow pages under Career or Vocational for this type of assistance.

Carol Thompson, VP Job Opportunities

Certification Maintenance Notice

If you earned your CPIM before 1999, you must submit a maintenance application by the month of your original certification. Find out more at <http://www.apics.org/Certification/Maintenance/maintenance.asp>. If you would like a handy spreadsheet to calculate your point, send an email to tanis.perez@hp.com and put "certification maintenance" in the subject. Don't delay! Once the deadline passes for you, you must earn additional points to regain your certification status.

APICS Webinars

Get Tangled in Our Web of Education

APICS is pleased to announce the latest development in training and education—APICS Webinars. Each APICS Webinar lasts approximately 60 minutes and features educational discussions, case studies, and a Q&A period. All you need is an Internet connection and telephone to participate. Invite your colleagues to join you. As an added benefit, you will receive a CD-ROM of the presentation after the event.

Upcoming APICS Webinars

View a list of upcoming APICS Webinars topics and dates. Go to <http://apics.webex.com> for quick and easy access to the latest information on future topics, dates, and presenters.

Registration Information

To register for an APICS Webinar, visit and select Enroll.

Archived Events

Were you unable to participate in an APICS Webinar? Each APICS Webinar is archived and available for \$99 per viewing. Visit <http://apics.webex.com> and select Recorded Events on the left navigation bar to view an archived APICS Webinar. The archived APICS Webinar begins at time of purchase.

CPIM and CFPIM designees: Earn one professional development point toward Certification Maintenance by participating in an APICS Webinar.

The Educational Society for
 Resource Management
 PO Box 13249
 Sacramento CA 95813

APICSacramento Board Members

President	Melanie Hoots, CPIM	916/785-1186	melanie_hoots@hp.com
VP Education, CSUS/Chico Mngt	Tanis Perez	916/748-8194	tanis_perez@hp.com
Asst. VP Education	Jeff Duvall	916/377-5886	jeff.duvall@intel.com
VP Membership	Bill Fuller	916/393-0753	W_J_Fuller@sbcglobal.net
VP Marketing	Curt Andrade	916/689-2646	candrade@gene.com
VP Job Opportunities	Carol Thompson	916/748-8075	carol_a_thompson@hp.com
Treasurer/Secretary	Beverly Paul, CPIM	916/984-9554	bpaul@apicsacramento.com
Director of Technology	Randy Beck	916/788-2412	rbeck@prideindustries.com
Director of Programs	Ed Mercado, CPIM	209/727-5504 x13	edmercado@msn.com
Director of Publicity (Newsletters)	Gary Wilson	916/785-9646	gary.wilson@hp.com
Company Coordinator Manager	Brenda Marsh	916/447-8205	brcben@juno.com
Director at Large	Bill Lodholz	530/666-2493	lodholz@wattsind.com
Director at Large	Glen Lewis	209/342-1509	glen.lewis@delmonte.com
Director at Large	Terrell Thruston, CPIM	916/748-2653	terrell_thruston@hp.com
Director at Large	Gary Huss	530/755-1817	gwhuss@hotmail.com
Passport Manager	George Cusack, CPIM	916/684-5200 x3224	gcusack@alldata.com
CSU Chico Faculty	Tom Wilder		twilder@csuchico.edu
CSUS Continuing Education	Linda McElroy	916/278-4279	lrmcelroy@csus.edu
APICS Society		800/444-APIC	Web site: www.apics.org
Chapter Voice Mail:	916/650-8660	Chapter Website:	www.apicsacramento.com