

FOCAPO 2003

(Foundations of Computer-Aided Process Operations)

January 12-15, 2003

**Radisson Hotel
Coral Springs, Florida**

**A View to the Future Integration of R&D, Manufacturing
and the Global Supply Chain**

Conference sponsored
by

CACHE, CAST Division AICHE, INFORMS

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Over the last decade the scope of the area of process operations has expanded from operational issues in manufacturing plants to the management and optimization of entire supply chains. Furthermore, its scope has also been expanded towards R&D activities on the one hand, and on the other hand towards distribution and logistics of products. The new expanded scope of

process operations offers exciting possibilities at the practical and at the research level. At the practical level it has promoted the integration of computer and information technologies with large-scale modeling and optimization tools that are being translated into large economic savings by improved coordination of operations, decreased inventories and higher levels of service. At the research level process operations has given rise to a number of modeling, algorithmic, and integration challenges in order to effectively tackle large and complex systems that are characterized by constant dynamic changes and uncertainties.

FOCAPO 2003, is convening a group of international experts from industry, academia, vendors, and consulting companies to discuss the new directions and challenges in process operations. Participants will discuss challenges and needs for process oriented industries such as chemicals, energy, food and beverage, pharmaceutical, and metals. Conference sessions will discuss topics such as *supply chain optimization, integration of R&D and new product development with manufacturing and operations, strategies for handling uncertainty, modeling for process operations, control in operations, product quality, safety & sustainability, bioprocessing and electronics manufacturing, impact of information technology on process operations, web-enabled enterprise, and advances in data handling (eg data mining, statistics)*. The major objectives of the conference are to identify new research directions in process operations and to promote collaboration between academia and industry.

Tentative structure Program

Sunday, January 12

4:00-5:30 Plenary Session, 7:30-10:00 Session 1

Monday, January 13

8:00-12:00 Session 2, 1:30-4:30 Contributed papers1, 7:30-10:00 Session 3

Tuesday, January 14

8:00-12:00 Session 4, 1:00-2:30 Contributed papers 2, 7:30-10:00 Session 5

Wednesday, January 15

8:00-12:00 Session 6, 2:00-4:30 Session 7, 5:00-6:30 Closing, 7:00 Banquet

Contributed papers Deadline submission Abstracts: ***March 1, 2002***

Contacts:

Conference: <http://www.cheme.cmu.edu/focapo>

e-mail: focapo2@andrew.cmu.edu

Hotel: <http://www.radisson.com/coralspringsfl>