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# ANNOUNCEMENTS

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## First Announcement

### FOCAPO 98

July 5 - 10, 1998      Snowbird, Utah

#### About the Conference

The Foundations of Computer Aided Process Operations Conferences (FOCAPO 98) to be held in Snowbird, Utah from July 5-10, 1998 will be the third in a series of conferences dealing with the use of computers in support of process operations. Since the first FOCAPO conference in Park City, Utah in 1987 and the second in Crested Butte, Colorado in 1993 and given the developments in the process industry and computer technology there has been an enormous increase in interest in improving the efficiency and effectiveness of process operations. In fact, without much danger of exaggeration, one can assert that much of the restructuring within the process industry over the past few years has been operations focused. Given the likely continuation of this trend and the host of related research and technical issues, FOCAPO 98 will bring together practitioners, management, and researchers for a comprehensive look at the state of the art in computer aided process operations, a discussion of strategies important to thriving in an environment of continuous change and rapidly advancing technology, and the important challenges to be overcome.

The goals of FOCAPO are to:

- 1) provide a forum for practitioners, management, and researchers to share their experience
- 2) emphasize presentations describing technology that is being reduced to practice or is likely to be in the next five years
- 3) provide an opportunity for industrial practitioners, academics, and vendors to interact
- 4) motivate future research by describing problems that are intractable or expensive to solve with existing approaches and by describing new application areas.

The program will reflect an international perspective to correspond to the globalization of the process industry.

#### Conference Topics

The conference is organized into problem oriented sessions with the following titles:

- 1) Plant Wide Optimization
- 2) Pilot Plant Operations
- 3) Emerging and High Growth Processes (e.g. biological, electronic fabrication, etc.)
- 4) Technological Challenges to Next Generation Supply Chain Management
- 5) Planning/Scheduling of Multiproduct Plants
- 6) Environmental Issues
- 7) Next Generation Enabling Technology: Trends and Deployment Issues
- 8) Product Integrity/Quality

#### Technology Issues

Discussion of core enabling technologies in the context of key operations problems will be an important part of FOCAPO 98. In particular, the sessions will encompass the following enabling technologies:

- 1) optimization methods
- 2) planning/scheduling
- 3) process control as a tool for achieving high level operations objectives
- 4) knowledge based systems/neural networks
- 5) simulation software
- 6) information technology
- 7) probability and statistics
- 8) computer interfaces/software issues
- 9) on-line instrumentation/process monitoring
- 10) abnormal/exceptional situation management
- 11) risk analysis
- 12) accomodating data uncertainty.

Although the focus of each session will be problem and issue oriented rather than focusing on technology alone, FOCAPO 98 will continue the tradition of past such conferences by informing participants about technology trends and challenges that will have an important impact on process operations in the near future.

Conference participants are encouraged to submit papers addressing topics and/or technical issues to the contributed paper session.

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## Session Format

Each of the sessions will be patterned around the following format to provide both an informative overview of topics as well as a significant opportunity for broad based audience participation.

- A presentation defining the area, including a description of the current state of the relevant enabling technologies and potential future development.
- A presentation of what is being practiced in operations today (with examples) and the opportunities for future applications.
- A panel consisting of the speakers and several other conference participants will convene for the remaining time allocated to the session. Non-speaker panel members will have an opportunity to comment on the earlier presentations. Afterwards, questions from the audience will be directed to the speakers or other panel members.

## Contributed Papers Session

In addition to the speaking oriented sessions, one afternoon of the conference will be devoted to a fair involving thirty to forty contributed papers from conference participants.

## Call for Abstracts for Contributed Papers

If you would like to participate in the contributed paper session, please send a 500-word abstract by postal mail or e-mail to the session chair by December 1, 1997.

### *Chair:*

Professor Ignacio Grossmann  
Department of Chemical Engineering  
Carnegie-Mellon University  
Pittsburgh, PA 15213  
e-mail: grossmann@cmu.edu

## Vendor Demonstrations

During the afternoon periods of the conference and while formal programming is not in session, conference participants will have the option of visiting vendor booths for product demonstrations and discussions about commercial technology.

## Conference Organizers

Gary Blau  
DowElanco  
9330 Zionsville Rd  
Indianapolis, IN 46268  
gblau@dowelanco.com

Joseph Pekny  
School of Chemical Engineering  
Purdue University  
West Lafayette, IN 47907-1283  
pekny@ecn.purdue.edu

## Technical Planning Committee

Kun Soo Chang	Pohang University (Korea)
James Downs	Eastman Chemical (USA)
Ignacio Grossmann	Carnegie-Mellon (USA)
Iori Hashimoto	Kyoto University (Japan)
Simon Jones	BASF (Germany)
Hank Kohlbrand	Dow Chemical (USA)
Lowell Koppel	Aspen Technology (USA)
Mark Kramer	Gensym Corp (USA)
Philip Law	ETH (Switzerland)
Kristian Lien	Norwegian Univ. (Norway)
Wolfgang Marquardt	Aachen Technical (Germany)
Bernard McGarvey	Eli Lilly & Co (USA)
Gregory McRae	MIT (USA)
Manfred Morari	ETH (Switzerland)
John Perkins	Imperial College (UK)
Malcolm Preston	ICI PLC (UK)
Luis Puigjaner	U. Politec Catalunya (Spain)
David Smith	DuPont (USA)
Moe Sood	Mobil (USA)
George Stephanopoulos	MIT (USA)
Jeff Sirola	Eastman Chemical (USA)
	(CACHE Corporation Representative)
Scott Keeler	DowElanco (USA)
	(CAST/AICHE Representative)

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## Location

Just a forty minute drive from the Salt Lake International airport, Snowbird is located in the Cottonwood Canyon in the heart of the Wasatch Mountain Range. Shuttle service is easily arranged from the airport to this beautiful resort area. Snowbird is also just a thirty minute drive from Salt Lake City.

Since everything is within walking distance, you may not need a car. The Snowbird village offers many facilities from restaurants to shopping. If you are looking for recreational activities, Snowbird offers many outdoor and indoor activities from swimming, golf, tennis, and racquet ball. There is also a health spa which offers everything from body massages to facials and herbal wraps.

If being outdoors with nature is more of what you want, take a naturehike or go mountain biking on the many trails along the mountainside. There is also an aerial tram ride where you can enjoy the beautiful view up to Hidden Peak.

The 57,000 square foot conference area located in the Snowbird Resort will create a tranquil environment. Technical sessions will be held in the mornings and evenings, leaving the afternoons free.

Hotel fees will range from \$90 to \$144 per night. Actual rates will be available upon registration.

## Inquiries

For more conference information please direct e-mail to the following address:

focapo98@ecn.purdue.edu

Or visit the FOCAPO98 web site for updated information:

<http://che.www.ecn.purdue.edu/FOCAPO98/>

## Preregistration for FOCAPO 98

Preregistration is required to attend FOCAPO98. The conference fee of \$675 will include registration, proceedings, opening reception, conference banquet, and daily refreshments. Do not send fees at this time.

Please complete and return this preregistration form, no later than January 2, 1998 to:

Attn: Janet Taylor  
CHME 112  
School of Chemical Engineering  
Purdue University  
West Lafayette, IN 47907-1283

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

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Telephone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Fax: \_\_\_\_\_

Research Interests: \_\_\_\_\_

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Reasons for wishing to attend conference: \_\_\_\_\_

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