

The Westin Savannah Harbor Golf Resort and Spa



The Westin Savannah will host this joint conference. You can learn more about this facility from their website.

www.westinsavannah.com

The Westin Savannah offers luxurious appointments against the restful backdrop of historic Savannah River Street and the PGA championship golf course.

The room rates are \$173.00 for single and doubles. The room block is not yet open for reservations.

For information, please contact Robin Craven, Conference Manager at:

rcraven@1825richland.com
(509) 628-8700 (Pacific)

Conference fees and additional information will be available on the conference websites.

FOCAPO 2012

FOCAPO Conference Chairs

Nick Sahinidis – *Carnegie Mellon University*

Jose Pinto – *Praxair*

Advisory Committee

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CPC VIII

CPC Conference Chairs

Prodromos Daoutidis – *University of Minnesota*

Don Bartusiak – *ExxonMobil*

Advisory Committee

Frank Allgower, *Universität Stuttgart*; Tom Badgwell, *ExxonMobil*; Richard Braatz, *MIT*; Ali Cinar, *IIT*; Panagiotis Christofides, *UCLA*; John Congalidis, *DuPont*; Barry Cott, *Shell*; Denis Dochain, *Louvain*; Frank Doyle, *UCSB*; Tom Edgar, *University of Texas*; Sebastian Engell, *Universität Dortmund*; Fraser Forbes, *University of Alberta*; Christos Georgakis, *Tufts*; Mike Henson, *University of Massachusetts*; Costas Kravaris, *University of Patras*; Mayuresh Kothare, *Lehigh*; Aditya Kumar, *GE*; Jay Lee, *KAIST*; Ward MacArthur, *Honeywell*; Manfred Morari, *ETHZ*; Tunde Ogunnaike, *University of Delaware*; Joe Qin, *USC*; Nital Patel, *Intel*; Jim Rawlings, *University of Wisconsin*; Sigurd Skogestad, *NUST*; Masoud Soroush, *Drexel*; George Stephanopoulos, *MIT*; Gregory Troup, *Merck*; Subbarao Varigonda, *United Technologies*; Doug White, *Emerson*; Erik Ydstie, *Carnegie Mellon*

The Westin Savannah Harbor Golf Resort and Spa Savannah, Georgia USA

FOCAPO 2012

8 - 11 January, 2012

www.focapo.org

CPC VIII

11 - 13 January 2012

www.cpcmeeting.org

One week

Two international conferences

Same great location!

Important Dates

Call for Contributed Papers 30 June 2011

Deadline for Invited Papers 31 July 2011

Notification of Acceptance 31 August 2011

Submission of Final Papers 31 October 2011

Attend FOCAPO or CPC
or stay for both
at significant savings!

Foundations of Computer-Aided Process Operations has been the premier conference in the area of chemical process operations since 1987. The conference offers valuable information on all aspects of enterprise-wide optimization and its integration with planning, scheduling, and control. In addition to being a very active area for academics, process operations have given rise to many challenging problems in industrial practice. These problems have necessitated the study and development of enabling technologies in the area of optimization, which has remained a strong focus of past FOCAPO conferences. The conference has consistently attracted between 100 and 150 attendees, with nearly one third of them from industry and approximately 40% of the participants coming from outside the U.S. In 2012, FOCAPO will take place immediately before CPC VIII, with a *joint programming day devoted to challenges and opportunities for integration of operations and control*, especially in the context of emerging energy applications.

Contributed Poster Presentations

Two poster sessions will showcase recent developments for both academic and industrial participants. All papers submitted for poster presentation will be peer reviewed and selected papers will be invited for oral presentation and publication in a special issue of *Computers and Chemical Engineering* that will be devoted to this conference proceedings.

Technical Sessions

- Enterprise-wide optimization
- Optimization of multiscale systems
- Risk management
- Sustainable enterprise management
- Integration of operations and control
- New domains for operations & control research

Education Session

A joint interactive session will address educational challenges and opportunities within the evolving chemical engineering discipline, especially at the interface between operations, optimization and control, and the effectiveness of current curricula in meeting industry needs.

Panel Discussions

Panel discussions will address topics in enterprise-wide and supply chain management; integration of planning, scheduling and control; emerging technologies in the energy field; optimization; risk and uncertainty in operations.



www.focapo.org



Chemical Process Control is the premier international conference on process control, aiming to assess progress in the theory and practice of process control, and to identify major directions for research and technology development in the next decade. Strong industrial participation, invited oral presentations that provide authoritative overviews (most co-authored by academic and industrial leaders), contributed poster presentations that illustrate the depth and breadth of the field, and interactive panel discussions are among the conference highlights for CPC VIII. Informal interactions and ample opportunities for networking are facilitated by a compact, yet flexible schedule, which includes group hospitality every evening of the conference. CPC VIII takes place immediately after FOCAPO, with a *joint programming day exploring the interface of operations and control*, and their integration in the context of enterprise-wide operations. In addition to core subjects and applications in the process industries, energy and sustainability are highlighted, along with emerging technologies in the advanced materials and health-related industries.

Contributed Poster Presentations

Posters will be an essential part of the conference, showcasing contributions from the broad research community, including industrial success stories and vendor exhibits. All papers submitted for poster presentation will be peer reviewed. Some of the contributed papers will be selected for oral presentation and a large number will be selected for inclusion in a post-conference journal issue.

Technical Sessions

- Integration of operations and control
- New domains for operations & control research
- Large-scale and networked process systems
- Renewable energy and sustainable processes
- Methods and enabling technologies
- Non-traditional application domains: success stories and challenges

Education Session

A joint interactive session will address educational challenges and opportunities within the evolving chemical engineering discipline, especially at the interface between operations, optimization and control, and the effectiveness of current curricula in meeting industry needs.

Panel Discussions

Bridging control and operations; Future of control technology; industry/vendor perspectives; Systems and control opportunities in energy research; Unsolved problems and needs in fundamental research; Process control opportunities in emerging technologies.

www.cpcmeeting.org