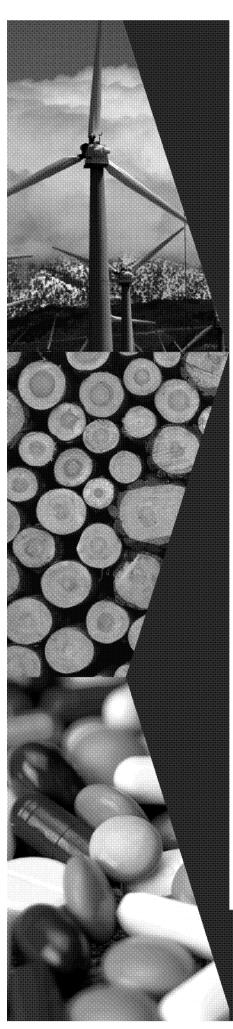


CPC⁷ chemical process control 1825 Leslie Road #121 Richland, Washington 99352

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Assessment of Core Technologies and Emerging Applications





Assessment of Core Technologies and Emerging Applications

The overall goal of the CPC conference series is to evaluate current progress in the process control field and to identify new intellectual challenges that may have a fundamental impact on future industrial practice. Specific goals of CPC 7 include:

- Assess the current state of process control theory and practice.
- 2. Present tutorial overviews for non-specialists in relevant areas of systems and control theory, particularly emerging and new areas.
- Provide a forum for in-depth discussions between university researchers, industrial practitioners and commercial control technology vendors.
- Expose practitioners and vendors to significant new tools emerging from the research community to stimulate wider implementation. 4.
- Present promising research directions for the next decade.
- 6. Evaluate needs and challenges in the process industries for the next decade.
- Evaluate opportunities for applications in non-traditional industries.
- Evaluate the current status of process control education at the undergraduate and graduate levels.

CPC 7 is an international conference attracting participants from North and South America, Europe and the Pacific Rim. Based on previous CPC meetings, approximately 50% of the attendees will be from industry and government with the remaining attendees from academia In the tradition of previous CPC conferences, all oral presentations will be invited. Technical sessions will be scheduled in the mornings and the evenings, with afternoons free for skiing, socializing and in-depth discussion. Morning sessions focusing on enabling control technologies will consist of four presentations and a panel discussion. Evening sessions focusing on emerging control applications will consist of three presentations. One afternoon will be devoted to a poster session for contributed papers. Vendor and software displays will be presented on two consecutive

Conference Program

Process Control Theory: Sunday PM

Oscar Crisalle University of Florida Chair Richard Murray Frank Allgower Manfred Morari California institute of Yechnology University of Stuttgart Swiss Institute of Technology - ETH Georgia Institute of Technology Speakers Jay Lee

Process Control Practice: Monday AM

Emerging Applications: Multiscale Syst

Martin Pottman DuPont Aspen Technology Air Froducts and Chemicals Chair: Speakers: J. Brian Froisy David Vinson John Congalidis DuPont & John Richards

Joseph Alford Fillilly

Antonios Armaou Pennsylvania State University Yannis Kevrekidis Panagiotis Christofide: Richard Braatz Martha Gallivan Princeton University
UCLA
University of illinois
Georgia Institute of Technology Sneakers

Enabling Technologies: Information and Enterprise Systems: Tuesday AM

Rex Reklaitis Purdue University Steve Jenison Eli Lilly Purdue University IBM Speakers Purdue University Sangtae Kim

Emerging Applications: Systems Biology: Tuesday PM Chair Evangelos Zafiriou University of Maryland

Max Planck Institute University of California - Santa Barbara Northwestern University Dieter Gilles Frank Doyle Vassily Hatzimanikatis

ms: Monday PM

Enabling Technologies: Modeling and State Estimation: Wednesday PM

Wolfgang Marquardt Aachen University Chain University of Texas Prosanos Corporation University of Wisconsin University of British Columbia Joe Qin Ronald Pearson James Rawlings Speakers Amaud Doucet Vendor and Software Display: Wednesday PM and Thursday PM

University of Pittsburgh Chair: Robert Parker

Emerging Applications: Microchemical and Fuel Cell Systems: Wednesday PM

Rensselaer Polytechnic Institute Wayne Sequette Dionisios Vlachos Mayuresh Kothare Varigonda Subbarao University of Delaware Lehigh University United Technologies Research Center

Enabling Technologies: Dynamic Simulation and Optimization: Thursday AM

Dominique Bonvin Swiss Institute of Technology - EPFL Speakers Boh Cox & Yiannis Dimitratos

DuPont Carnegie Melion University University of California - Santa Barbara Massachusetts Institute of Technology boo Cox & na Larry Biegler Linda Petzold Paul Barton

Contributed Poster Sessions: Thursday PM

Prodromos Daoutidis University of Minnesota Chairs: Edward Gatzke University of South Carolina

Conference Banquet: Thursday Evening

Process Control Education: Friday AM

Chair Kenneth Muske Villanova Hniversity Speakers: James Downs Eastman Chemical Thomas Edga University of Texas Babatunde Ogunnaike University of Delaware

Registration Information

Conference fees are:

\$645 Early registration on or before October 6, 2005 \$795 Standard registration after October 6, 2005 **Graduate Students**

The conference will accept one grad student/post-doc per research group (up to a maximum of 15). Students must make

an application during the registration process and will be notified of acceptance by November 15, 2005.

The conference fee includes one copy of the proceedings CD-ROM and abstract book, the opening reception, the conference banquet and refreshments during program breaks. Updated information about registration is contained on the conference website: www.cpc7.org For questions and information, send an email to craven@cpc7.org

Robin Craven CPC 7 Conference Manager 1825 Leslie Road, #121 Richland, WA 99352 (509) 628-8700 (Pacific time)

Important Deadlines

Early registration deadline: October 6, 2005 Submission of final contributed papers: November 10, 2005 Submission of final invited papers: November 15, 2005 Conference: January 8-13, 2006

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