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Editorial

The 10th International Symposium on Computer Applications in Biotechnology (CAB) and the 8th International Symposium on Dynamics and Control of Process Systems (DYCOPS) were held on June 4–6 (CAB) and 6–8 (DYCOPS) in Cancun, Mexico. The CAB main topics were systems biology, metabolic engineering, integrated bioprocessing, biopharmaceutical processes, biomedical engineering, food engineering, and environmental processes.

The DYCOPS main topics were batch process modeling and control, process and performance monitoring, integration between scheduling and control, process optimization and process control. There were applications in the areas of chemical, biological, environmental, petrochemical, pharmaceutical, pulp and paper, and oil production and refining.

For the first time, the CAB and DYCOPS symposia were jointly organized and held together in the same facilities, with a program designed to meet scope and time table requirements for each symposium. This included one overlapping day with joint sessions as well as plenary and keynote lectures. Feedback from participants indicated that the joint event was seen as a positive contribution to promote cross-disciplinary research in the area of process systems engineering.

The two individual National Organizing Committees chaired by Jesus Alvarez (DYCOPS) and Jaime Moreno (CAB) put considerable efforts to host two successful symposia. The CAB program included 133 presentations: 3 plenary lectures, 8 keynote talks, 69 presentations in 14 oral sessions, and 53 presentations in 3 poster sessions. The DYCOPS program included 173 presentations: 3 plenary lectures, 8 keynote talks, 100 presentations in 21 oral sessions, and 62 presentations in 2 poster sessions. The CAB and DYCOPS shared 63 presentations: 1 plenary lecture, 4 keynote talks, 27 presentations in 6 oral sessions, and 31 presentations in 1 poster session.

There were 233 participants (54 CAB, 124 DYCOPS and 55 CAB+DYCOPS) from 4 continents (America, Asia, Oceania and Europe) and 36 countries, 30 percent of the participants were students.

On the basis of the review process and in-situ feedback, the CAB and DYCOPS IPC chairmen selected 16 papers (12 DYCOPS and 6 CAB) to be considered for publication. Full-length papers were resubmitted, and a formal peer-review procedure was conducted by the Guest Editors. We are grateful to the authors and the reviewers for their prompt handling of these papers. In summary, 10 papers for DYCOPS and 1 for CAB have been selected to appear in this special issue of Journal of Process Control, and an additional paper has been selected to appear in Annual Reviews in Control.

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