TECHNICAL PROGRAM OVERVIEW

The 2005 ACC technical program is an excellent show case for emerging areas in control as well as traditional control disciplines. The spectrum of topics addressed in the papers should be of interest to the conference attendees with diverse backgrounds and interests. This program shows a continuing upward trend in the number of application papers in numerous areas which include aerospace, automotive industry, power, chemical process, communications, networks, and bio-systems, micro and nano-systems and more. There are many tutorial sessions of two-hour duration on the state of the art work in theory and applications which will provide every attendee with an in-depth understanding of a variety of important current topics. The invited sessions which consist of theme based papers have been organized by well-known experts in topics as diverse as biological modeling, mechatronics, networked systems, MEMS, nano applications, cooperative control etc. This year's program continues to have the valuable forum called the interactive sessions as previous ACCs which facilitates easier and stimulating exchanges between the attendees and the presenter.

The 2005 ACC offers special sessions: technical and informative. These consist of sessions dealing with scanning probe microscopy and synthesis of genetic networks and history of control. There are sessions appealing to attendees young and not too young on NSF funding opportunities and mid-career job change. The 2005 technical program also offers workshops on important and emerging areas of control.

Following is a summary of the papers submitted and accepted.

Number of Papers Submitted		1664
Number of Papers Accepted		921
Regular Papers	730	
Invited Papers	105	
Short Papers	29	
Interactive Papers	6	
Tutorial Papers	51	