

## Joint CCA, ISIC and CACSD, 2004

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Last updated on March 10, 2005. This conference program is tentative and subject to change

### Program at a Glance

Plenary or special session	Invited session	Regular session
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#### 2004 CCA/ISIC/CACSD Technical Program Wednesday September 1, 2004

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Workshops and Tutorials Workshop Room	09:00-17:30 Workshop Room WeDWS <a href="#">Pre-Conference Workshops and Tutorials</a>
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#### 2004 CCA/ISIC/CACSD Technical Program Thursday September 2, 2004

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Track 1 CCA Room 1	08:40-09:40 Plenary Events Room ThDPL		10:00-12:00 Room 1 ThA01 <a href="#">Aerospace and Vehicle Systems</a>		13:20-15:20 Room 1 ThM01 <a href="#">Aerospace Applications</a>	15:40-17:40 Room 1 ThP01 <a href="#">Control Applications in Aerospace Engineering</a>	17:50-18:50 Plenary Events Room ThEES
Track 2 CCA Room 2			10:00-12:00 Room 2 ThA02 <a href="#">Communication and Manufacturing Systems</a>		13:20-15:20 Room 2 ThM02 <a href="#">Real-Time Networked Control Systems</a>	15:40-17:40 Room 2 ThP02 <a href="#">Control Techniques Using Networks</a>	
Track 3 CCA Room 3			10:00-12:00 Room 3 ThA03 <a href="#">Electromagnetic Mechanical Systems</a>		13:20-15:20 Room 3 ThM03 <a href="#">Motor Systems</a>	15:40-17:40 Room 3 ThP03 <a href="#">Applications of Force and Visual Feedback Control to Advanced Mechatronic Systems</a>	
Track 4 CCA Room 4			10:00-12:00 Room 4 ThA04 <a href="#">Control Applications 1: Motion Control</a>		13:20-15:20 Room 4 ThM04 <a href="#">Robot Manipulator Control</a>	15:40-17:40 Room 4 ThP04 <a href="#">Control of Disk Drive Storage System</a>	
Track 5 CCA Room 5			10:00-12:00 Room 5 ThA05 <a href="#">Advanced</a>		13:20-15:20 Room 5 ThM05 <a href="#">Automotive</a>	15:40-17:40 Room 5 ThP05 <a href="#">Bio-Svstems</a>	

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	<a href="#">Control Applications</a>		<a href="#">Applications</a>	
Track 6 CCA Room 6	10:00-12:00 Room 6 ThA06 <a href="#">Fuzzy Control</a>		13:20-15:20 Room 6 ThM06 <a href="#">Learning Control</a>	15:40-17:40 Room 6 ThP06 <a href="#">Neural Networks and Fuzzy Systems</a>
Track 7 ISIC Room 7	10:00-12:00 Room 7 ThA07 <a href="#">New Techniques for Intelligent Control</a>		13:20-15:20 Room 7 ThM07 <a href="#">Embedded Intelligent Control and Applications</a>	15:40-17:40 Room 7 ThP07 <a href="#">Modelling and Control of Probability Density Functions</a>
Track 8 ISIC Room 8	10:00-12:00 Room 8 ThA08 <a href="#">Hybrid Dynamical Systems</a>		13:20-15:20 Room 8 ThM08 <a href="#">Randomized Algorithms</a>	15:40-17:40 Room 8 ThP08 <a href="#">Architectures for Autonomy</a>
Track 9 CACSD Room 9	10:00-12:00 Room 9 ThA09 <a href="#">CACSD Toolboxes and Tools</a>		13:20-15:20 Room 9 ThM09 <a href="#">Formal Methods for Supporting the Design of Controllers for Timed and Hybrid Systems</a>	15:40-17:40 Room 9 ThP09 <a href="#">Computer Automated Multi Paradigm Modeling</a>

2004 CCA/ISIC/CACSD Technical Program Friday September 3, 2004

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Track 1 CCA Room 1	08:40-09:40 Plenary Events Room FrDPL	10:00-12:00 Room 1 FrA01 <a href="#">Linear Control Synthesis and Modeling</a>		13:20-15:20 Room 1 FrM01 <a href="#">Nonlinear Control</a>	15:40-17:40 Room 1 FrP01 <a href="#">Methods for Nonlinear and Robust Control in Specific Applications</a>	17:50-18:50 Plenary Events Room FrEES
Track 2 CCA Room 2		10:00-12:00 Room 2 FrA02 <a href="#">Hybrid Systems</a>		13:20-15:20 Room 2 FrM02 <a href="#">Hybrid and Constrained System Applications</a>	15:40-17:40 Room 2 FrP02 <a href="#">Mobile Robot Systems</a>	
Track 3 CCA Room 3		10:00-12:00 Room 3 FrA03 <a href="#">Process Control</a>		13:20-15:20 Room 3 FrM03 <a href="#">Advanced Control Technology for Iron and Steel Processes</a>	15:40-17:40 Room 3 FrP03 <a href="#">Advances in Process Control and Monitoring</a>	
Track 4 CCA Room 4		10:00-12:00 Room 4 FrA04 <a href="#">Advanced Motion Control</a>		13:20-15:20 Room 4 FrM04 <a href="#">Examples of Interacting and Cooperative</a>	15:40-17:40 Room 4 FrP04 <a href="#">Sensor and Control Applications in</a>	

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			<a href="#">Cooperating Robotic Systems</a>	<a href="#">Applications in Motion Systems</a>
Track 5 CCA Room 5		10:00-12:00 Room 5 FrA05 <a href="#">Control Applications 2: Crane/noise Control</a>	13:20-15:20 Room 5 FrM05 <a href="#">Flexible Structures</a>	15:40-17:40 Room 5 FrP05 <a href="#">Control of Fluid Power Systems</a>
Track 6 CCA Room 6		10:00-12:00 Room 6 FrA06 <a href="#">Neural Networks and Adaptive Control</a>	13:20-15:20 Room 6 FrM06 <a href="#">Learning Control Applications</a>	15:40-17:40 Room 6 FrP06 <a href="#">Robust Control</a>
Track 7 ISIC Room 7		10:00-12:00 Room 7 FrA07 <a href="#">Recent Advances in Intelligent Control</a>	13:20-15:20 Room 7 FrM07 <a href="#">Intelligent and Advanced Control in the Process Industries</a>	15:40-17:40 Room 7 FrP07 <a href="#">Advanced Stabilization and Signal Synthesis</a>
Track 8 ISIC Room 8		10:00-12:00 Room 8 FrA08 <a href="#">Intelligent Control Applications - a Portfolio</a>	13:20-15:20 Room 8 FrM08 <a href="#">Intelligent Control for Robots</a>	15:40-17:40 Room 8 FrP08 <a href="#">Intelligent Adaptive Control</a>
Track 9 CACSD Room 9		10:00-12:00 Room 9 FrA09 <a href="#">Polynomial Design Methods</a>	13:20-15:20 Room 9 FrM09 <a href="#">Scilab/Scicos: An Open Source Environment for CACSD</a>	15:40-17:40 Room 9 FrP09 <a href="#">Interval Tools for Control</a>

2004 CCA/ISIC/CACSD Technical Program Saturday September 4, 2004

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Track 1 CCA Room 1	08:40-09:40 Plenary Events Room SaDPL	10:00-12:00 Room 1 SaA01 <a href="#">Fault Detection and Accomodation</a>		13:20-15:20 Room 1 SaM01 <a href="#">Manufacturing Systems</a>	15:40-17:40 Room 1 SaP01 <a href="#">Port Automation Technology</a>
Track 2 CCA Room 2		10:00-12:00 Room 2 SaA02 <a href="#">Vehicle Control and Estimation</a>		13:20-15:20 Room 2 SaM02 <a href="#">Automotive Controls and the Advanced Development Environment</a>	15:40-17:40 Room 2 SaP02 <a href="#">Real-Time Prediction and Optimization for Vehicles and Mechanical Systems</a>
Track 3 CCA Room 3		10:00-12:00 Room 3 SaA03 <a href="#">Simulation and Control of Industrial Processes</a>		13:20-15:20 Room 3 SaM03 <a href="#">Control Applications 3: Mechanical/power Systems</a>	15:40-17:40 Room 3 SaP03 <a href="#">Power Systems</a>

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Track 4 CCA Room 4	10:00-12:00 Room 4 SaA04 <a href="#">Adaptive Control and Identification</a>		13:20-15:20 Room 4 SaM04 <a href="#">Filtering and Estimation</a>	15:40-17:40 Room 4 SaP04 <a href="#">Predictive Control</a>
Track 5 CCA Room 5	10:00-12:00 Room 5 SaA05 <a href="#">Sliding Mode Control</a>		13:20-15:20 Room 5 SaM05 <a href="#">New Trends in Fixed/Reduced-Order Robust Controller Synthesis: New Design Algorithms with Advanced CACSD Tools</a>	15:40-17:40 Room 5 SaP05 <a href="#">Robust Motion and Vibration Control of Electromechanical Systems</a>
Track 6 CCA- ISIC Room 6	10:00-12:00 Room 6 SaA06 <a href="#">Adaptive Critic Controls (ISIC)</a>		13:20-15:20 Room 6 SaM06 <a href="#">Intelligent Sensing (ISIC)</a>	15:40-17:40 Room 6 SaP06 <a href="#">Observers (CCA)</a>
Track 7 ISIC Room 7	10:00-12:00 Room 7 SaA07 <a href="#">Fuzzy Systems</a>		13:20-15:20 Room 7 SaM07 <a href="#">Applications and Analyses of Genetic Algorithms</a>	15:40-17:40 Room 7 SaP07 <a href="#">Robustness and Stability in Intelligent Control</a>
Track 8 CACSD Room 8	10:00-12:00 Room 8 SaA08 <a href="#">Computer Tools for Control Education</a>		13:20-15:20 Room 8 SaM08 <a href="#">Tools and Methods for Networked and Real-Time Systems</a>	15:40-17:40 Room 8 SaP08 <a href="#">Controller Design Algorithms</a>
Track 9 CACSD Room 9	10:00-12:00 Room 9 SaA09 <a href="#">LMI-Based Control System Analysis and Synthesis</a>		13:20-15:20 Room 9 SaM09 <a href="#">Software Tools for Semidefinite Programming and Its Applications to Control</a>	15:40-17:40 Room 9 SaP09 <a href="#">Applications of LMIs to Switched and Chaotic Systems</a>