

IEEE CDC 2000 TUESDAY 12th DECEMBER SESSIONS

Plenary Lecture I: 8:30 - 9:30 am Sydney Convention and Exhibition Centre North, Level 2 Harbourside Auditorium 2
Is the Model a Good Controller? -- Perspectives on Brain Motor Control
Professor Hidenori Kimura, University of Tokyo

Track	1	2	3	4	5	6	7	8	9	10	11	12	13
Room	Harbourside Auditorium 1	Skyline Room 3	Harbourside Meeting Room 4	Harbourside Auditorium 2	Harbourside Meeting Room 3	Pymont Room 1	Harbourside Meeting Room 2	Harbourside Meeting Room 5	Skyline Room 1	Pymont Room 2	Skyline Room 2	Harbourside Meeting Room 6	Harbourside Meeting Room 8
TuA 9:50 to 12:10	Discrete Event Systems	Control in Communication Systems	Optimal Control and Applications I	Optimization Approaches and Methods	Model Predictive Control	Advances in Linear Estimation	Stochastic and Uncertain Systems	Nonlinear Control and Applications	Nonlinear Estimation and Filtering	Formation Control and Its Applications	New Approaches to Fuzzy Control	Manufacturing Systems	Automotive Applications
TuM 1:30 to 3:50	Stability Issues in Hybrid Control	Recent Advances in Stochastic Networks	Optimal Control and Applications II	Robust Controller Design - Mu, L1, H2	Constrained and Receding Horizon Control	Identification and Control Around The World	Markov Decision Processes	Nonlinear Optimization	Observers for Nonlinear Systems	Motion Planning	Neural / Fuzzy Stability and Control	Motor Control	Control of Quantum Phenomena I
TuP 4:10 to 6:10	Hybrid Systems Methods	Control in Communication Networks	Robustness and Optimization	Bumpless Transfer, Anti Wind-up and Saturation	Adaptive Control: Linear Systems	Estimation and Closed-loop Identification	Control of Markov Processes	Nonlinear Filtering and Control	Modeling, Identification and Validation of Nonlinear Systems	Differential Geometric Control Theory for Mechanical Systems	Nonlinear Output Feedback Control	Pneumatics and Compression Systems	Control of Quantum Phenomena II

Special Evening Session I: Harbourside Auditorium 2 - 7:00 - 7:50 pm
Reshaping Control Education for the 21st Century
Professor Kishan Baheti, National Science Foundation
Professor Bonnie Heck, Georgia Institute of Technology
Professor Raffaello D'Andrea, Cornell University

Special Evening Session II: Harbourside Auditorium 2 - 8:00 - 8:50 pm
The Control Industry Transformed: A Supplier's Perspective
Dr. Datta Godbole, Honeywell Technology Center
Dr. Greg Irving, Honeywell Australia
Dr. Hiran Vedam, Honeywell Singapore Laboratory

IEEE CDC 2000 WEDNESDAY 13th DECEMBER SESSIONS

Track	1	2	3	4	5	6	7	8	9	10	11	12	13
Room	Harbourside Auditorium 1	Skyline Room 3	Harbourside Meeting Room 4	Harbourside Auditorium 2	Harbourside Meeting Room 3	Pyrmont Room 1	Harbourside Meeting Room 2	Harbourside Meeting Room 5	Skyline Room 1	Pyrmont Room 2	Skyline Room 2	Harbourside Meeting Room 6	Harbourside Meeting Room 8
WeA 8:30 to 10:30	Stability of Hybrid Systems	Performance Analysis in Communication Networks	Adaptive Control of Nonlinear Systems	LMI Methods in Design	Robust Control of Time Delay Systems	Subspace Identification Methods	Nonlinear Stochastic Filtering and Estimation	Bifurcations Chaos and Control I	New Progress in Synthesis of Nonlinear Systems I	Implementation Issues of Sliding Mode Control Theory	Control of Mixing in Shear Flows	Novel Neural Network Control Techniques for Industrial Motion Control Systems	Physiological Control Systems
WeM 10:50 to 12:50	Optimal Control of Hybrid Systems	Stochastic Models for Communication Networks	Control and Stabilization of Nonlinear Systems	New Directions in Robust Control	Linear Systems Theory	Advanced Topics in System Identification	Estimation in Action	Bifurcations Chaos and Control II	New Progress in Synthesis of Nonlinear Systems II	Numerical Design and Analysis Techniques for Nonlinear Systems	Analysis and Control of Under-actuated Systems	Sliding Mode Control I	Challenges in the Application of Control to Computer Systems
Sydney Harbour Luncheon Cruise; Sydney Harbour Bridge Walk: 1:30 - 3:30 pm													
<p>Plenary Panel 5:00 - 6:20 pm</p> <p>Control Theory Milestones: A Journey Through the 20th Century</p> <p>Professor Tamer Başar, University of Illinois</p> <p>Professor Petar Kokotovic, University of California, Santa Barbara</p> <p>Professor David Mayne, Imperial College of Science, Technology and Medicine, London</p> <p>Professor Alberto Isidori, Università di Roma "La Sapienza" and Washington University</p>													
WeP 6:30 to 8:30	Estimation & Diagnosis of Discrete Event Systems	Communications and Games	Optimal Control	Stochastic Systems	Model Reduction Methodologies	Identification and Subspace Methods	Applications of Nonlinear Adaptive Control	Advances in Nonlinear Output Feedback Design	Behavioral Approach to Systems and Control	Vision Based Estimation and Control: Recent Advances and Open Problems	Agile Control of Military Operations	Sliding Mode Control II	Model-based Fault Diagnosis of Industrial Processes

IEEE CDC 2000 THURSDAY 14th DECEMBER SESSIONS

Plenary Lecture II: 8:30 - 9:30 am, Sydney Convention and Exhibition Centre North, Level 2 Harbourside Auditorium 2
 Visual Information in a Feedback Loop: A Control/Computer Vision Synthesis
 Professor Allen Tannenbaum, Georgia Institute of Technology

Track	1	2	3	4	5	6	7	8	9	10	11	12	13
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ThA 9:50 to 12:10	Discrete Event Systems/ Petri Nets	System Identification and Confidence Estimation	New Approach to H-Infinity Control I	Probabilist Approach to Robust Control	Time Delay System Stabilization	Identific- ation Methods	Controlled Stochastic Processes	Output Feedback of Nonlinear Systems	Topics in Nonlinear Stabilization	Mobile Robots: Tracking Control	Robust Control of Nonlinear Systems	Power Systems Stabitzation and Control	Disk Drive Control
ThM 1:30 to 3:50	Hybrid Control Applications	Discrete-Time Systems	New Approach to H-infinity Control II	Linear Systems with Saturating Actuators	New Theories in Distributed Parameter Systems	Applications of Estimation and Identific- ation	Stochastic Control and Tuning Metho- dologies	Control of Nonlinear Systems	Iterative Learning Control	Coordinat- ing Robot Systems	Nonlinear Time- Varying Systems	Novel Applications of Neural Networks	Aerospace Applications
ThP 4:10 to 6:30	Switched Systems	Implicit and Descriptor Systems	LQG	Periodic Systems and Disturb- ances	New Horizons for Distributed Parameter Systems	State Estimation	Learning and Neuro Control	Nonlinear Control and Stabilization	Tracking	Vision Servoing	Controll- ability of Nonlinear Systems	Control of Flexible Systems	Electro- mechanical Systems

Awards Ceremony 6:45 - 7:30 pm, Skyline Terrace, Level 3, Sydney Convention and Exhibition Centre North.

Conference Dinner 7:15pm for 7:45 - 11:30 pm, The Ballroom, Level 2, Convention Centre South – Sydney Convention and Exhibition Centre

IEEE CDC 2000 FRIDAY 15th DECEMBER SESSIONS

Track	1	2	3	4	5	6	7	8	9	10	11	12	13
Room	Harbourside Auditorium 1	Skyline Room 3	Harbourside Meeting Room 4	Harbourside Auditorium 2	Harbourside Meeting Room 3	Pyrmont Room 1	Harbourside Meeting Room 2	Harbourside Meeting Room 5	Skyline Room 1	Pyrmont Room 2	Skyline Room 2	Harbourside Meeting Room 6	Harbourside Meeting Room 8
FrA 8:20 to 10:40	Robust Control Methods and Applications	Fault Detection and Diagnosis	Optimization and Applications	Robust Stability Analysis	Numerical Methods in Control	Filtering in Continuous Stochastic Systems	Interplay Between Control and Signal Processing	Fault Detection and Analysis	Nonlinear Dynamical Systems	Nonlinear Time Delay Systems	Computational Issues in Nonlinear Control	Disturbance Rejection	Process Control Industry Applications
<p>Bode Lecture: 11:00 am- 12:00 pm - Harbourside Auditorium 2</p> <p>System Identification and Statistical Learning Theory: Can One Subject “Learn” from the Other?</p> <p>Professor Mathukumalli Vidyasagar, Tata Consultancy Services, Hyderabad</p>													
FrM 1:20 to 3:00	Linear Parameter Varying Systems	Linear Control Systems	Dynamic and Nonlinear Programming	Model Reduction Applications	New Techniques for Control and Systems: Numerical Linear Algebra	Estimation and Identification Using Hidden Markov Models	Applications of Stochastic Control	Topics in Linear Design	Nonlinear Control and Stabilization	Ambulatory Robot Systems	Chaotic and Oscillatory Systems	Biomedical System Control	Integrated Control and CPU Scheduling
FrP 3:20 to 5:00	Linear Design Techniques	Adaptive Disturbance / Noise Compensation	Nonlinear Model Predictive Control	Sensitivity Design, Analysis and Limitations	Analysis of Linear Systems	Linear Matrix Inequalities in Design	Lyapunov's 2nd Method	Robotics: Tracking Control	Lagrangian and Hamiltonian Theory	Variable Structure Controller	Machine Vision	Signal Processing Methods in Control	Applied Nonlinear Control
Farewell Reception: 5:00 - 7:00 pm, Skyline Terrace, Level 3, Sydney Convention and Exhibition Centre North.													