

Recipients of O. Hugo Schuck Best Paper Award

2007 2006 2005 2004 2003 Bin Yao, "Integrated Direct/Indirect Adaptive Robust Control of SISO Nonlinear Systems in Semi-Strict Feedback Form" Dong Ni, Yiming Lou, Panagiotis D. Christofides, Lin Sha, Sandy Lao, and Jane P. Chang, "A Method for Real-Time Control of Thin Film Composition Using OES and XPS" 2002 P. Seiler, A. Pant, and K. Hedrick, "Disturbance propagation in large interconnected systems" 2001 J. Mareczek, M. Buss, and M. Spong, "Invariance Control of Normal Forms with Input Driven Internal Dynamics" B-S. Kim, J. Li, and T-C. Tsao, "Control of a Dual Stage Actuator System for Noncircular Cam Turning Process" 2000 L. Zaccarian, A. R. Teel, and J. J. Marcinkowski, "Anti-windup for an Active Vibration Isolation Device: Theory and Experiments" R. Yedavalli, "A Necessary and Sufficient Extreme Point Solution for Checking Robust Stability of Polytopes of Matrices" 1999 Antonios Armaou and Panagiotis Christofides, "Wave suppression by Nonlinear Finite-Dimensional Control" Bassam Bamieh and Mohammed Dahleh, "Disturbance Energy Amplification in Three Dimensional Channel Flows" 1998 Srinivas Tatiraju, Masoud Soroush, and Raj Mutharasan, "Multi-Rate Nonlinear State and Parameter Estimation in a Bioreactor" Haitham A. Hindi, Babak Hassibi, and Stephen P. Boyd, "Multiobjective H₂/H-Infinity Optimal Control via Finite Dimensional Q-Parametrization and Linear Matrix Inequalities" 1997 V. Lioatta, C. Georgakis, and M. S. El-Aasser, "Real-Time Estimation and Control of Particle Size in Semi-Batch Emulsion Polymerization" M. Glaum and G. Zames, "A function Calculus For Identification and System Analysis" 1996 No Awards 1995 Miroslav Krstic, "Asymptotic properties of Adaptive Nonlinear Stabilizer" 1994 Jangbom Chai, Richard H. Lyon, and Jeffrey H. Lang, " Non-Invasive Diagnostics of Motor-Operated Valves" Fernando Paganini, Raffaello D'Andrea, and John C. Doyle, " Behavioral Approach to Robustness Analysis" 1993 Hua O. Wang and Eyad H. Abed, "Control of Nonlinear Phenomena at the Inception of Voltage Collapse" R. J. Furness, A. Galip Ulsoy, and Charles L. Wu, "Supervisory Control of Drilling" 1992 K. Poolla, P. Khargonekar, A. Tikku, J. Krause, and K. Nagpal, "A Time- Domain Approach to Model Validation" 1991 Eling W. Jacobsen and Sigurd Skogestad, "Control of Unstable Distillation Columns" 1990 G. T Yamaguchi and F. E. Zajac, "Modeling FES Actuation and Control of Multisegment Limb Movements" 1989 H. Kazerooni and W.K. Foslien, "On the Control and Stability of Robots Worn By Human: Theory" 1988 A. Miele, T. Wang, and W.W. Melvin, "Optimization and Guidance of Penetration Landing Trajectories in a Windshear" 1987 E. Kamei, H. Namba, K. Osaki, M. Ohba, "Application of Reduced Order Model to Automotive Engine Control System" 1986 Bo Wahlberg, "On Model Reduction in System Identification" 1984 H. Asada and K. Youcef-Toumi, "Analysis and Design of a Direct-Drive Arm with a Five-Bar Link Parallel Drive Mechanism" 1983 K. Glover and D.J. N. Limebeer, "Robust Multivariable Controls System Design Using Optimal Reduced Order Plant Models" 1982 Helen Johnson, "Adaptive Control of Nonlinear Self-Oscillating Systems Using MRAS Technique" 1981 J. Kenneth Salisbury and John J. Craig, "Articulated Hands:Force Control and Kinematic Issues" 1980 Tapio Westerlund, "Identification and Control of an Industrial Dry Process Cement Kiln" 1979 William B. Rouse, "Understanding and Aiding the Human in Fault Diagnosis Tasks"