

Contents

Information, Knowledge and Control	
<i>A.G.J. MacFarlane</i>	1
Hybrid Models for Motion Control Systems	
<i>R.W. Brockett</i>	29
Some Control Problems in the Process Industries	
<i>M. Morari</i>	55
Engineering Aspects of Industrial Applications of Model-Based Control Techniques and System Theory	
<i>A.C.P.M. Backx</i>	79
Towards a Joint Design of Identification and Control?	
<i>M. Gevers</i>	111
Nonlinear State Space [MATH] Control Theory	
<i>A.J. van der Schaft</i>	153
Learning Control and Related Problems in Infinite-Dimensional Systems	
<i>Y. Yamamoto</i>	191
An Algebraic Approach to Linear and Nonlinear Control	
<i>M. Fliess, S.T. Glad</i>	223
Robust Multivariable Control Using [MATH] Methods: Analysis, Design and Industrial Applications	
<i>I. Postlethwaite, S. Skogestad</i>	269
Neural Networks for Control	
<i>E.D. Sontag</i>	339
Neural Networks for Adaptive Control and Recursive Identification: A Theoretical Framework	
<i>J.-J.E. Slotine and R.M. Sanner</i>	381