



automatica

A Journal of **IFAC** the International
Federation of Automatic Control

Volume 36 Number 3

March 2000

CONTENTS

REGULAR PAPERS

- | | | |
|---|-----|--|
| J.C. Oostveen and R.F. Curtain | 337 | Robustly stabilizing controllers for dissipative infinite-dimensional systems with collocated actuators and sensors |
| J.J. Winkin, D. Dochain and P. Ligarius | 349 | Dynamical analysis of distributed parameter tubular reactors |
| K.J. Åström and R.D. Bell | 363 | Drum-boiler dynamics |
| J. Mari, A. Dahlgren and A. Lindquist | 379 | A covariance extension approach to identification of time series |

BRIEF PAPERS

- | | | |
|---|-----|---|
| S. Elanayar V.T. and Y.C. Shin | 399 | State estimation of continuous-time radial basis function networks |
| D.B. Doman and M.R. Anderson | 409 | A fixed-order optimal control model of human operator response |
| Y.-H. Moon, B.-K. Choi and T.-H. Roh | 419 | Estimating the domain of attraction for power systems via a group of damping-reflected energy functions |
| F. Madeira and A. Rios-Neto | 427 | Guidance and control of a launch vehicle using a stochastic gradient projection method |
| R. Zanasi, C. Guarino Lo Bianco and A. Tonielli | 439 | Nonlinear filters for the generation of smooth trajectories |
| C.T. Lawrence, A.L. Tits and P. Van Dooren | 449 | A fast algorithm for the computation of an upper bound on the μ-norm |
| C. Canudas-de-Wit and A.D. NDoudi-Likoho | 457 | Nonlinear control for a convoy-like vehicle |
| J.H. Lee and B.L. Cooley | 463 | Min-max predictive control techniques for a linear state-space system with a bounded set of input matrices |

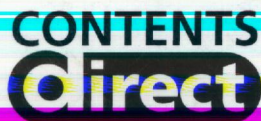
TECHNICAL COMMUNIQUE

- | | | |
|-----------------------------------|-----|--|
| L. Naimark, J. Kogan and E. Zeheb | 475 | Stabilizability considerations and design of rational controllers for a class of time-delay systems |
|-----------------------------------|-----|--|

BOOK REVIEW

- | | | |
|-----------|-----|--|
| G. Olsson | 481 | Control problems in industry by I. Lasiacka and B. Morton |
|-----------|-----|--|

INDEXED/ABSTRACTED IN: *Appl. Mech. Rev.*, *Curr. Cont. ASCA*, *Aqua. Abstr.*, *Cam. Sci. Abstr.*, *Curr. Cont. CompuMath.*, *Curr. Cont./Eng. Tech. & Applied Sci.*, *Comput. Cont.*, *Eng. Ind.*, *INSPEC Data.*, *Info. Sci. Abstr.*, *Math. R.*, *Oper. Res. Manage. Sci.*, *PASCAL-CNRS Data.*, *Curr. Cont. Sci. Cit. Ind.*, *Curr. Cont. SCISEARCH Data.*, *SSSA/CISA/ECA/ISMEC*, *Zentralblatt für Mathematik*



This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: www.elsevier.nl/locate/contentsdirect