

Asian Journal of Control

© 2015 John Wiley and Sons Asia Pte Ltd and Chinese Automatic Control Society



November 2012

Volume 14, Issue 6

Pages 1459–1771

[Previous Issue](#) | [Next Issue](#)

[Select All](#) [Save to profile](#) [Export citation](#)

Regular Papers

Jump to... ▼

- [Distributed Tracking Control for Networked Mechanical Systems \(pages 1459–1469\)](#)
Gang Chen and Frank L. Lewis
Article first published online: 31 MAY 2012 | DOI: 10.1002/asjc.537
[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(1198K\)](#)
[References](#) | [Request Permissions](#)
- [Adaptive Nonlinear Control of Induction Motors Through AC/DC/AC Converters\(pages 1470–1483\)](#)
A. El Fadili, F. Giri, A. El Magri, L. Dugard and F.Z. Chaoui
Article first published online: 20 DEC 2011 | DOI: 10.1002/asjc.478
[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(891K\)](#)
[References](#) | [Request Permissions](#)
- [Robust Gyro-free Attitude Estimation for a Small Fixed-wing Unmanned Aerial Vehicle \(pages 1484–1495\)](#)
Abhijit G. Kallapur, Ian R. Petersen and Sreenatha G. Anavatti
Article first published online: 16 FEB 2012 | DOI: 10.1002/asjc.507
[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(852K\)](#)
[References](#) | [Request Permissions](#)
- [Memoryless SMC Design Methods for Stochastic Delay Systems \(pages 1496–1504\)](#)
Lirong Huang
Article first published online: 11 APR 2012 | DOI: 10.1002/asjc.508
[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(579K\)](#)
[References](#) | [Request Permissions](#)
- [\$H_{\infty}\$ Static Output Feedback Control of 2-D Discrete Systems in FM Second Model\(pages 1505–1513\)](#)
Zhi-Yong Feng, Li Xu, Min Wu and Jin-Hua She
Article first published online: 22 NOV 2011 | DOI: 10.1002/asjc.472
[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(1301K\)](#)
[References](#) | [Request Permissions](#)
- [Formation control of multiple elliptic agents with limited sensing ranges \(pages 1514–1526\)](#)
K. D. Do
Article first published online: 5 SEP 2011 | DOI: 10.1002/asjc.447
[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(380K\)](#)
[References](#) | [Request Permissions](#)

State Variable Approach for the Structural Analysis of Hormonal Controlled Long Term Blood Pressure Regulatory System (pages 1527–1538)

M. Shahin and S. Maka

Article first published online: 21 NOV 2011 | DOI: 10.1002/asjc.468

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(364K\)](#)
[References](#) | [Request Permissions](#) **A generalized approach to stabilization of linear interconnected time-delay systems (pages 1539–1552)**

Magdi S. Mahmoud and Yuanqing Xia

Article first published online: 2 MAY 2012 | DOI: 10.1002/asjc.419

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(284K\)](#)
[References](#) | [Request Permissions](#) **Dynamic System Identification Using High-Order Hopfield-Based Neural Network (HOHNN) (pages 1553–1566)**

Chi-Hsu Wang and Kun-Neng Hung

Article first published online: 8 FEB 2012 | DOI: 10.1002/asjc.495

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(1745K\)](#)
[References](#) | [Request Permissions](#) **An Intelligent Robust Tracking Control for a Class of Electrically Driven Mobile Robots (pages 1567–1579)**

Yeong-Chan Chang, Hui-Min Yen and Ping-Tsung Wang

Article first published online: 8 FEB 2012 | DOI: 10.1002/asjc.501

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(971K\)](#)
[References](#) | [Request Permissions](#) **Applying Brain Emotional Learning Based Intelligent Controller (Belbic) to Multiple-Area Power Systems (pages 1580–1588)**

Shirin Ale Aghaee, Caro Lucas and Khosrow Amiri Zadeh

Article first published online: 14 FEB 2012 | DOI: 10.1002/asjc.493

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(969K\)](#)
[References](#) | [Request Permissions](#) **Adaptive Fuzzy Control for Nonlinear Time-Delay Systems with Dynamical Uncertainties (pages 1589–1598)**

Shaocheng Tong, Ning Sheng and Yongming Li

Article first published online: 4 NOV 2011 | DOI: 10.1002/asjc.466

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(440K\)](#)
[References](#) | [Request Permissions](#) **Robust H_2 Filtering for Discrete-Time Markovian Jump Linear Systems (pages 1599–1607)**

Tao Liu, Hao Zhang and Qijun Chen

Article first published online: 21 NOV 2011 | DOI: 10.1002/asjc.470

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(345K\)](#)
[References](#) | [Request Permissions](#) **Optimal Performance in Tracking Stochastic Signal Under Disturbance Rejection(pages 1608–1616)**

Xi-Sheng Zhan, Zhi-Hong Guan, Rui-Quan Liao and Fu-Shun Yuan

Article first published online: 3 FEB 2012 | DOI: 10.1002/asjc.494

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(388K\)](#)
[References](#) | [Request Permissions](#) **Observer-Based Reliable Control for Discrete-Time Switched Linear Systems with Faulty Actuators (pages 1617–1624)**

Jiao Li and Jun Zhao

Article first published online: 21 NOV 2011 | DOI: 10.1002/asjc.474

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(321K\)](#)
[References](#) | [Request Permissions](#)



[Observer-based Reliable Control for Discrete Time Systems: An Average Dwell Time Approach \(pages 1625–1633\)](#)

Dongsheng Du, Bin Jiang, Peng Shi and Zehui Mao

Article first published online: 9 MAY 2012 | DOI: 10.1002/asjc.534

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(329K\)](#)
[References](#) | [Request Permissions](#)



[Quantized Consensus of Multi-Agent Systems Via Broadcast Gossip Algorithms\(pages 1634–1642\)](#)

Zhi-Wei Liu, Zhi-Hong Guan, Tao Li, Xian-He Zhang and Jiang-Wen Xiao

Article first published online: 9 MAY 2012 | DOI: 10.1002/asjc.525

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(420K\)](#)
[References](#) | [Request Permissions](#)

Brief Papers



[On Controlling the Transient Response of Linear Time Invariant Systems with Fixed Structure Controllers \(pages 1643–1648\)](#)

Waqar A. Malik, Swaroop Darbha and S. P. Bhattacharyya

Article first published online: 22 MAR 2012 | DOI: 10.1002/asjc.484

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(156K\)](#)
[References](#) | [Request Permissions](#)



[On the Exponential Stability of Moving Horizon Observer for Globally N-Detectable Nonlinear Systems \(pages 1649–1654\)](#)

Dan Sui and Tor Arne Johansen

Article first published online: 21 NOV 2011 | DOI: 10.1002/asjc.475

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(199K\)](#)
[References](#) | [Request Permissions](#)



[Operator-Based Robust Right Coprime Factorization and a Nonlinear Control Scheme for Nonlinear Plant with Unknown Perturbations \(pages 1655–1661\)](#)

Ni Bu and Mingcong Deng

Article first published online: 3 FEB 2012 | DOI: 10.1002/asjc.498

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(312K\)](#)
[References](#) | [Request Permissions](#)



[Dynamic Pulse-Frequency Modulation in Objects Control with Delay \(pages 1662–1668\)](#)

B. Kh. Aitchanov, B. K. Kurmanov and T. F. Umarov

Article first published online: 22 NOV 2011 | DOI: 10.1002/asjc.471

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(214K\)](#)
[References](#) | [Request Permissions](#)



[Solutions of the generalized Sylvester matrix equation and the application in eigenstructure assignment \(pages 1669–1675\)](#)

Chunlei Yang, Jianzhou Liu and Yu Liu

Article first published online: 18 OCT 2011 | DOI: 10.1002/asjc.448

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(136K\)](#)
[References](#) | [Request Permissions](#)



[L₂–L_∞ filtering for nonlinear stochastic systems \(pages 1676–1682\)](#)

Ai-Guo Wu, Xiaona Liu and Ying Zhang

Article first published online: 6 OCT 2011 | DOI: 10.1002/asjc.451

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(144K\)](#)

[References](#) | [Request Permissions](#)

[Parametric design approach for proportional multiple-integral derivative observers in descriptor linear systems \(pages 1683–1689\)](#)

Ai-Guo Wu, Guang-Ren Duan and Ming-Zhe Hou

Article first published online: 4 NOV 2011 | DOI: 10.1002/asjc.467

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(153K\)](#)

[References](#) | [Request Permissions](#)

[Necessary and Sufficient Conditions for Consensus of Delayed Fractional-order Systems \(pages 1690–1697\)](#)

Jun Shen and Jinde Cao

Article first published online: 3 FEB 2012 | DOI: 10.1002/asjc.492

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(1740K\)](#)

[References](#) | [Request Permissions](#)

[Adaptive control of a class of nonlinear systems with its application to a synchronization problem \(pages 1698–1705\)](#)

Lu Liu

Article first published online: 23 JUN 2011 | DOI: 10.1002/asjc.423

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(223K\)](#)

[References](#) | [Request Permissions](#)

[Stability of Impulsive Stochastic Neutral Partial Differential Equations With Infinite Delays \(pages 1706–1709\)](#)

Feng Jiang and Yi Shen

Article first published online: 3 FEB 2012 | DOI: 10.1002/asjc.491

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(124K\)](#)

[References](#) | [Request Permissions](#)

[Smooth Switching Output Tracking Control for LPV Systems \(pages 1710–1716\)](#)

Lei Song and Jianying Yang

Article first published online: 14 MAR 2012 | DOI: 10.1002/asjc.510

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(257K\)](#)

[References](#) | [Request Permissions](#)

[Observer-based fault diagnosis and self-restore control for systems with measurement delays \(pages 1717–1723\)](#)

Juan Li, Gong-You Tang, Peng Zhang and Jian Zou

Article first published online: 27 MAR 2012 | DOI: 10.1002/asjc.458

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(177K\)](#)

[References](#) | [Request Permissions](#)

[Semi-Global Output Feedback Stabilization for a Class of Uncertain Nonlinear Systems \(pages 1724–1731\)](#)

Junyong Zhai, Chunjiang Qian and Haibo Du

Article first published online: 28 MAR 2012 | DOI: 10.1002/asjc.522

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(296K\)](#)

[References](#) | [Request Permissions](#)

Call for Papers

[Asian Journal of Control: Special Issue on “Vision-Based Control Systems” \(page 1771\)](#)

Article first published online: 27 NOV 2012 | DOI: 10.1002/asjc.637

[Abstract](#) | [Full Article \(HTML\)](#) | [Enhanced Article \(HTML\)](#) | [PDF\(33K\)](#)

[Request Permissions](#)