

IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS

A PUBLICATION OF THE IEEE COMMUNICATIONS SOCIETY



MAY 2008

VOLUME 26

NUMBER 4

ISACEM

(ISSN 0733-8716)

CONTROL AND COMMUNICATIONS

M. Franceschetti, T. Javidi, P. R. Kumar, S. Mitter, and D. Teneketzis

<i>Guest Editorial</i>	<i>M. Franceschetti, T. Javidi, P. R. Kumar, S. Mitter, and D. Teneketzis</i>	577
<i>Feedback in Communications</i>		
On the Design of Globally Optimal Communication Strategies for Real-Time Noisy Communication Systems with Noisy Feedback	<i>A. Mahajan and D. Teneketzis</i>	580
Joint Preprocessing and Feedback Strategies for Perfectly Reconstructing Equalizers	<i>P. G. Voulgaris, R. Touri, and C. N. Hadjicostis</i>	596
<i>Distributed Estimation over Networks</i>		
A Distributed Minimum Variance Estimator for Wireless Sensor Networks	<i>A. Speranzon, C. Fischione, K. H. Johansson, and A. S. Vincentelli</i>	609
Distributed Kalman Filtering Based on Consensus Strategies	<i>R. Carli, A. Chiuso, L. Schenato, and S. Zampieri</i>	622
<i>Consensus</i>		
Randomized Consensus Algorithms over Large Scale Networks	<i>F. Fagnani and S. Zampieri</i>	634
Distributed Function Calculation and Consensus using Linear Iterative Strategies	<i>S. Sundaram and C. N. Hadjicostis</i>	650
<i>Control Systems over Networks</i>		
Optimizing Controller Location in Networked Control Systems with Packet Drops	<i>C. L. Robinson and P. R. Kumar</i>	661
Control over Unreliable Networks Affected by Packet Erasures and Variable Transmission Delays	<i>D. E. Quevedo, E. I. Silva, and G. C. Goodwin</i>	672
Zero-Error Target Tracking with Limited Communication	<i>H. Li, P. R. Barbarosa, E. K. P. Chong, J. Hannig and S. R. Kulkarni</i>	686
Integration of Communication and Control using Discrete Time Kuramoto Models for Multivehicle Coordination over Broadcast Networks	<i>D. J. Klein, P. Lee, K. A. Morgansen, and T. Javidi</i>	695

(Contents Continued on Back Cover)

Control of Networks

A Novel \mathcal{H}_∞ Control Strategy for Design of a Robust Dynamic Routing Algorithm in Traffic Networks	<i>F. Abdollahi and K. Khorasani</i>	706
The End-to-End Rate Control in Multiple-Hop Wireless Networks: Cross-Layer Formulation and Optimal Allocation.	<i>C. Long, B. Li, Q. Zhang, B. Zhao, B. Yang, and X. Guan</i>	719
An On-Line Learning Algorithm for Energy Efficient Delay Constrained Scheduling over Fading Channel.	<i>N. Salodkar, A. Bhorkar, A. Karandikar, and V. S. Borkar</i>	732

**Upcoming Issues of the
IEEE JOURNAL ON
SELECTED AREAS IN COMMUNICATIONS**

Topic	Publication Date
Delay and Disruption Tolerant Wireless Communications	June 2008
MIMO Systems and Applications: Field Experience, Practical Aspects, Limitations	August 2008
Game Theory	September 2008
Limited Feedback	October 2008
Underwater Communications	December 2008
Body Area Networks	January 2009
Broadband Area Networks	February 2009
Network Configuration	April 2009
Network Coding for Wireless Communication Networks	June 2009

Calls for Papers

Topic	Manuscript Due Date	Page
Wireless and Pervasive Communications for Healthcare	July 15, 2008	743
Network Coding for Wireless Communication Networks	August 1, 2008	744
