



# Journal of High Speed Networks

## Aims and Scope

The *Journal of High Speed Networks* serves as an archive for papers describing original results of lasting significance in both the theory and practice of high speed networks. The journal publishes contributed papers on original research, survey papers on topics of current interest, technical notes, and short communications to report progress on long-term projects. Submissions to the Journal will be refereed consistent with the review process of leading technical journals.

The aim of this international journal is to publish original and significant results on the research and development of high speed data and telecommunication networks. The main goal will be to provide timely dissemination of information.

The journal will publish papers on a number of topics ranging from design to practical experiences with operational high speed networks. The topics covered will include but not be limited to:

- Design and analysis of high speed networks
- High speed LANs, MANs and WANs
- All optical networks and applications
- High speed switches, interfaces and controllers
- Routing, flow control and congestion control in highspeed networks
- Protocols for high speed communications
- Broadband ISDN and services
- Control and management of high speed networks
- Applications of high speed networks
- Experiences with operational high speed networks
- Formal approaches to high speed protocol development
- Network management
- Multimedia applications
- Optical networks
- Multi-Protocol Label Switching

## Editor-in-Chief

Prof. Deepinder Sidhu  
Maryland Center for Telecommunications Research  
University of Maryland - Baltimore County  
Baltimore, MD 21228-5398  
USA  
Tel.: +1 410 455 3028  
Fax: +1 410 455 3969  
Email: [sidhu@cs.umbc.edu](mailto:sidhu@cs.umbc.edu) or [jhsn@cs.umbc.edu](mailto:jhsn@cs.umbc.edu)  
URL: [www.cs.umbc.edu/jhsn](http://www.cs.umbc.edu/jhsn)

## Editorial Board

A. Acampora, A. Bicak, C.-I. Chang, F.-S. Choa, H.-A. Choi, A. Chung, J.A. Cobb, R. Cruz, A. Ephremides, S. Fahmy, I. Gopal, M.G. Gouda, Z.J. Haas, C.-T. Huang, R. Jain, S. Keshav, L. Kleinrock, A. Krishna, S. Kulkarni, S. Kumar, L. Landweber, D. Mitra, B. Mukherjee, M. Steenstrup, F. Tobagi, S.K. Tripathi, A. Varma, R. Watson, I. Weerakoon.

## Submission of Papers

For detailed information to authors, please consult our website at [www.iospress.nl](http://www.iospress.nl)

## Subscription Information

The *Journal of High Speed Networks* (ISSN 0926-6801) will be published in 1 volume of 4 issues in 2010 (Volume 18). Institutional subscription (print and online): €508 / US\$735 (including postage and handling). Institutional subscription (online only): €470 / US\$680.

## Abstracted / Indexed in

ACM Computing Reviews, ACM Guide to Computing Literature, Cambridge Scientific Abstracts, CompuMath Citation Index, Computer Abstracts, Computer Literature Index, CPX, EBSCO database, Inspec, Journal Citation Reports/Science Edition, MasterFILE, Science Citation Index-Expanded (SciSearch®), SCOPUS.

## Recent Contents Volume 17, Number 1 (2008)

Modeling and analysis of a hybrid optical switching system with delay buffer and wavelengths classification

*P. Jia, J. Zhang and W. Gu*

Edge overlay multicast to support comparable multi-class services

*S. Li, K. Xu, Y. Liu and J. Wu*

Modified TCP startup procedure for large bandwidth-delay networks

*R.-S. Cheng and H.-T. Lin*

Effect of seasonal temperature fluctuations on performance of 160 Gbps transmission with adjustable chromatic dispersion compensation

*H. Bourdoucen*

A novel and simple beforehand bandwidth reservation (BBR) MAC protocol for OBS metro ring networks

*W.-P. Chen, W.-F. Wang and W.-S. Hwang*

### ✂ Order Form

Please complete this form and send it to your usual supplier or to:

#### IOS Press

Nieuwe Hemweg 6B  
1013 BG Amsterdam  
The Netherlands  
Tel.: +31 20 688 3355  
Fax: +31 20 687 0039  
Email: market@iospress.nl  
URL: www.iospress.nl

#### IOS Press c/o Accucoms US, Inc.

For North America Sales and  
Customer Service  
West Point Commons  
Suite 201  
Lansdale PA 19446  
USA  
Tel.: +1 866 855 8967  
Fax: +1 215 660 5042  
Email: iospress@accucoms.com

**IOS**  
Press

Please complete this form and send it to your usual supplier or to one of the addresses on the left

Please enter my 2010 subscription to of *Journal of High Speed Networks*

- Institutional subscription (print and online): €508 / US\$735  
(including postage and handling)  
 Institutional subscription (online only): €470 / US\$680

Please bill me

Please charge my credit card

- Amer. Express       Euro/Master       Visa  
Exp. Date:                      Security Code:  
Card no.:

Name:

Address:

City/Zipcode:

Fax:

Date:

Country:

VAT no.:

Signature:

\*Check our website for a free electronic sample copy of *Journal of High Speed Networks*\*