2008 4th IEEE International Conference on Circuits and Systems for Communications



26-28 May 2008 Shanghai, China









Supported by Shanghai Jiao Tong University

2008 4th International Conference on Circuits and Systems for Communications

Shanghai, China 26-28 May 2008



IEEE Catalog Number: ISBN:

CFP08527-PRT 978-1-4244-1708-7

2008 4th IEEE International Conference on Circuits and Systems for Communications

Copyright © 2008 by The Institute of Electrical and Electronics Engineers, Inc. All rights reserved.

Copyright and Reprints Permission

Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limits of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

Other copying, reprint, or reproduction requests should be addressed to: IEEE Copyrights Manager, IEEE Operations Center, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331

IEEE Catalog Number CFP08527

ISBN 978-1-4244-1708-7

Library of Congress 2007906649

Additional copies of this publication are available from IEEE Operations Center P. O. Box 1331 445 Hoes Lane Piscataway, NJ 08855-1331 USA

- +1 800 678 IEEE
- +1 732 981 1393
- +1 732 981 0600
- +1 732 981 9667 (FAX)

email: customer.service@ieee.org

Produced by the IEEE Conference eXpress Publishing
For information on producing a conference proceedings and
quotations, contact conferencepublishing@ieee.org
http://www.ieee.org/web/publications/pubservices/confpub/index.html

Greetings from the General Chair



Welcome to the 2008 IEEE International Conference on Circuits and Systems for Communications (IEEE ICCSC 2008), jointly sponsored by IEEE Circuits and Systems Society and the IEEE Communications Society. This conference has evolved from three previous conferences of the IEEE Circuits and Systems Society's premier workshop series on Emerging Technologies. These conferences have been coorganized by the Liu-Weinstein team and have featured eminent keynote speakers including Robert Lucky, Gerry Foschini, Yrjo Neuvo, Thomas Kailath, and Xiao-Hu You, as well as many outstanding plenary speakers. This year we are delighted to have at ICCSC Professor Lang Tong, Irwin and Joan Jacobs Professor in Engineering, Cornell University, USA and Dr. Botaro Hirosaki, Senior Executive Vice President and Member of the Board, NEC Corporation, as well as a special half-day workshop, sponsored by Huawei, on *Key Technologies for Future Wireless Communications*.

All conference papers will be included in the Conference Proceedings, IEEE Xplore and Engineering Index. In addition, each paper will be assigned a "DOI" when it is uploaded to Xplore. A DOI is a digital object identifier, and is the new standard used by librarians and indexers for citation purposes.

ICCSC 2008 will be held in the Radisson Hotel Shanghai New World luxury hotel centrally located in Shanghai. The People's Square and the Nanjing-Road Walking Plaza are within 5-minutes walking distance. Many tourist spots such as the Bund, Huaihai Road shopping area, Shanghai Museum, Yu Garden and Xintiandi are only a 2 dollar taxi ride away.

I hope you have a very productive conference experience and enjoy the dynamic urban environment of Shanghai-Pudong!

Professor Rueywen Liu University of Notre Dame, USA

COMMITTEE

IEEE ICCSC 2008 General Chair:

Rueywen Liu, University of Notre Dame, USA

IEEE ICCSC 2008 Co-General Chairs:

Jianping Chen, Shanghai Jiao Tong University, China Guo-Zhi Xu, Shanghai Jiao Tong University, China

IEEE ICCSC 2008 Technical Program Chair:

Stephen Weinstein, Communication Theory & Technology Consulting, USA

IEEE ICCSC 2008 Technical Program Co-chair:

Wen Chen, Shanghai Jiao Tong University, China

IEEE ICCSC 2008 Organization Chair

Zhengming Xue, Shanghai Jiao Tong University, China

IEEE ICCSC 2008 Publication Chair

Bo Hu, Fudan University of Shanghai, China

TECHNICAL PROGRAM COMMITTEE

Technical Program Committee Chair:

Weinstein, Stephen - Communication Theory & Technology Consulting LLC, USA

Technical Program Committee Co-Chair:

Chen, Wen - Shanghai Jiao Tong University, China