

# CONTENTS

## SPECIAL TOPIC: Mobile Internet

- 1 Mobile Internet Application Infrastructure: An Open Garden
- 6 Discussion of Mobile Internet Service Development
- 10 Smart Terminal in Mobile Internet
- 13 Mobile Internet Oriented 3G Teleco 2.0
- 16 New Blue Ocean of Wideband Wireless Mobile Internet: Modern Service
- 21 Development and Innovation of Mobile Internet
- 27 Standards for Mobile Internet Technologies
- 31 Security Framework of Mobile Internet
- 35 Impact of Mobile Internet on Smart Phone

## RESEARCH PAPER

- 39 Short-Distance Low-Power Wireless Access System
- 45 Packet Scheduling Algorithm for Real-Time Services in Broadband WMAN

## DEVELOPMENT FIELD

- 49 Real-Time Color Enhancement Method Used for Intelligent Mobile Terminals
- 54 100G Ethernet Technology and Applications

## LECTURE SERIES

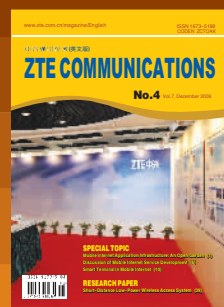
- 53 Cooperative Communication and Cognitive Radio (4)

## ROUNDUP

- 9 ZTE SDR Base Station Records over 200,000 Volume Shipment
- 26 ZTE Launches Global University Recruitment Campaign
- 44 ZTE Showcases LTE Product Line in Germany
- 60 ZTE and TMN Launch Two Windows<sup>®</sup> Phone Based 3.5G Smart Phones

## DEPARTMENTS

- 20 Ad Index
- 61 Abbreviation Index
- I Table of Contents for Volume 7, Numbers 1-4, 2009



[Http://www.zte.com.cn/magazine/English](http://www.zte.com.cn/magazine/English)  
Email: [magazine@zte.com.cn](mailto:magazine@zte.com.cn)

ZTE COMMUNICATIONS  
Vol. 7 No.4 (Issue 24)  
Quarterly  
First Issue Published in 2003

### Supervised by:

Anhui Science and Technology  
Department

### Sponsored by:

ZTE Corporation and Anhui Science  
and Technology Information  
Research Institute

### Staff Members:

Editor-in-chief: Tian Wenguo  
Deputy Editor-in-chief: Deng Xin  
Executive Deputy  
Editor-in-chief: Huang Xinming  
Editor in Charge: Zhu Li  
Editors: Yang Qinyi, Lu Dan  
Producer: Yu Gang  
Circulation Executive: Wang Pingping

### Editorial Correspondence:

Add: 450 Rongshida Avenue,  
Hefei 230041, P. R. China  
Tel: +86-551-5533356  
Fax: +86-551-5850139  
Email: [magazine@zte.com.cn](mailto:magazine@zte.com.cn)

### Published and Circulated (Home and Abroad) by:

Editorial Board of  
ZTE COMMUNICATIONS

### Printed by:

Hefei Zhongjian Color Printing Company

**Publication Date:** December 25, 2009

### Publication Licenses:

ISSN 1673-5188  
CN 34-1294/TN

### Advertising License:

皖合工商广字0058号

### Annual Subscription Rate:

USD\$20

Responsibility for the contents rests  
upon authors of signed articles and  
not upon the editorial board of  
ZTE COMMUNICATIONS or its sponsors.  
All rights reserved.