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Front Matter: Volume 7620

, "Front Matter: Volume 7620," Proc. SPIE 7620, Broadband Access
Communication Technologies IV, 762001 (22 January 2010); doi:
10.1117/12.855152

SPIE.

Event: SPIE OPTO, 2010, San Francisco, California, United States

PROCEEDINGS OF SPIE

Broadband Access Communication Technologies IV

**Benjamin Dingel
Raj Jain
Katsutoshi Tsukamoto**
Editors

**27–28 January 2010
San Francisco, California, United States**

Sponsored and Published by
SPIE

Volume 7620

Proceedings of SPIE, 0277-786X, v. 7620

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Please use the following format to cite material from this book:

Author(s), "Title of Paper," in *Broadband Access Communication Technologies IV*, edited by Benjamin Dingel, Raj Jain, Katsutoshi Tsukamoto, Proceedings of SPIE Vol. 7620 (SPIE, Bellingham, WA, 2010) Article CID Number.

ISSN 0277-786X

ISBN 9780819480163

Published by

SPIE

P.O. Box 10, Bellingham, Washington 98227-0010 USA

Telephone +1 360 676 3290 (Pacific Time) · Fax +1 360 647 1445

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Introduction

It is our pleasure to welcome all of you in the SPIE Photonics West 2010 conference on Broadband Access Communication Technologies IV.

Due to the financial bubble in 2009 and the consequences in the whole economy, we are fortunate to have an invited paper on economics of pricing in broadband access to open and set the tone of this conference.

This year we have assembled high-quality technical papers coming from Asia and North America. It provides coherent coverage and latest technologies in various aspects of broadband access from high speed wireless 4G to radio-over-fiber. All these efforts have resulted in a very strong technical program representing the state of the art in the field.

The purpose of this conference is to promote discussions and disseminations of design, development, and performance of various types of broadband access communication technologies. This includes platform technologies such as optical fiber-based, radio-over-fiber-based, photonics-based, copper-based, satellite-based, mobile wireless-based and power-line communications. We have invited a number of well-known speakers to present the current and future trends of these broadband access technologies as well as the economics of pricing in access.

Finally, we strongly appreciate the speakers and authors of all the contributed and invited papers, and the technical program committee members. We also thank the SPIE staff for their help in processing the submissions and organizing the conference. The success of this conference is strongly due them.

Thank you for joining us at the Broadband Access Communication Technologies IV conference.

Benjamin Dingel
Raj Jain
Katsutoshi Tsukamoto