

IEICE TRANSACTIONS

O-119-1-3
月刊
V. E92-C
n. 7

on Electronics

LILY

刊碼: N54-0164S

雜誌名稱: IEICE trans. on electronics

ISSN:0916-8524

年代:2009

刊別:M

VOL.:V.E92C

NO.7

架號: O-119-1-3

■ Special Section on Recent Advances in Ultra-high-speed Photonic Devices for Next-generation Optical Fiber Communications

Special Section on Recent Advances in Ultra-high-speed Photonic Devices for Next-generation Optical Fiber Communications

- 905 FOREWORD Yoshiaki NAKANO

PAPERS

- 907 InP-Based Monolithic Photonic Integrated Devices (*INVITED*)
..... Liming ZHANG, Christopher R. DOERR, Pietro BERNASCONI, Lawrence L. BUHL,
Nicholas SAUER, and David T. NEILSON
- 915 Integrated Lithium Niobate Mach-Zehnder Interferometers for Advanced Modulation Formats (*INVITED*)
..... Tetsuya KAWANISHI, Takahide SAKAMOTO, and Akito CHIBA
- 922 Recent Advances in Ultra-High-Speed Waveguide Photodiodes for Optical Communication Systems
(*INVITED*) Kikuo MAKITA, Kazuhiro SHIBA, Takeshi NAKATA, Emiko MIZUKI, and Sawaki WATANABE
- 929 High-Speed Frequency Modulated DBR Lasers for Long-Reach Transmission (*INVITED*)
..... Takaaki KAKITSUKA and Shinji MATSUO
- 937 High-Speed EA-DFB Laser for 40-G and 100-Gbps (*INVITED*)
..... Shigeki MAKINO, Kazunori SHINODA, Takeshi KITATANI, Hiroaki HAYASHI, Takashi SHIOTA,
Shigehisa TANAKA, Masahiro AOKI, Noriko SASADA, and Kazuhiko NAOE
- 942 High Speed 1.1- μ m-Range InGaAs-Based VCSELs (*INVITED*)
..... Naofumi SUZUKI, Takayoshi ANAN, Hiroshi HATAKEYAMA, Kimiyoshi FUKATSU, Kenichiro YASHIKI,
Keiichi TOKUTOME, Takeshi AKAGAWA, and Masayoshi TSUJI
- 951 Compact 40 Gbit/s EML Module Integrated with Driver IC Takatoshi YAGISAWA and Tadashi IKEUCHI

Regular Section

PAPERS

■ Lasers, Quantum Electronics

- 957 10-Gb/s Optical Buffer Memory Using a Polarization Bistable VCSEL
..... Takashi MORI, Yuuki SATO, and Hitoshi KAWAGUCHI

■ Integrated Electronics

- 964 A Low Jitter Self-Calibration PLL for 10-Gbps SoC Transmission Links Application

..... Kuo-Hsing CHENG, Yu-Chang TSAI, Chien-Nan Jimmy LIU, Kai-Wei HONG, and Chin-Cheng KUO

(continued on back cover)



A PUBLICATION OF THE ELECTRONICS SOCIETY
The Institute of Electronics, Information and Communication Engineers
Kikai-Shinko-Kaikan Bldg., 5-8, Shibakoen 3 chome, Minato-ku, TOKYO, 105-0011 JAPAN
URL: <http://search.ieice.org/es/>

VOL.E92-C NO.7
JULY 2009

LETTER**■ Electronic Circuits**

973 Analysis of Jitter in CMOS Ring Oscillators due to Power Supply Noise

Xiaoying DENG, Xin CHEN, Jun YANG, and Jianhui WU

976 ABSTRACTS (IEICE Trans. Electron. (Japanese Edition), Vol. J92-C, No. 7)

978 Errata (Vol. E87-C, No. 9: Masahiro HASHIMOTO)

Original Contributions in English

Copyright © 2009 by The Institute of Electronics, Information and Communication Engineers

The IEICE Transactions on Electronics has been selected for coverage in the following ISI (Institute for Scientific Information) products/services.

- Science Citation Index Expanded (included in "Web of Science")
- Current Contents (Edition: Engineering, Computing and Technology)
- ISI Alerting Services

定価四,100円 [本体四,000円]