

The Electrochemical Society

Integrated Optoelectronics 3

at the 210th ECS Meeting

ECS Transactions Volume 3 No.39

October 29 – November 3, 2006
Cancun, Mexico

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571
www.proceedings.com

ISBN: 978-1-60423-915-7

Some format issues inherent in the e-media version may also appear in this print version.

Copyright 2007 by The Electrochemical Society, Inc.
All rights reserved.

This book has been registered with Copyright Clearance Center, Inc.
For further information, please contact the Copyright Clearance Center,
Salem, Massachusetts.

Published by:

The Electrochemical Society, Inc.
65 South Main Street
Pennington, New Jersey 08534-2839, USA

Telephone 609.737.1902
Fax 609.737.2743
e-mail: ecs@electrochem.org
Web: www.electrochem.org

ISSN 1938-6737 (online)
ISSN 1938-5862 (print)

Printed in the United States of America.

Table of Contents

Preface

Ge on Si Photodiodes for Si CMOS Monolithic Optical Receivers <i>Z. Huang, J. Oh and J. C. Campbell</i>	1
Wafer Bonding of Magneto-Optic Garnet and its Application to Waveguide Optical Devices <i>T. Mizumoto, H. Saito, K. Sakurai and Y. Shoji</i>	11
Heteroepitaxy of InP on Silicon-on-Insulator for Optoelectronic Integration <i>F. K. Olsson, A. Aubert, M. Avella, J. Jiménez, C. A. Barrios, J. Berggren and S. Lourdudoss</i>	23
Demonstration of III-V Semiconductor/Benzocyclobutene Optical Nanowires and Nanotapers <i>D. Lauvernier, M. Carette, J. Vilcot, D. Bernard and D. Decoster</i>	31
Author Index	39