PROCEEDINGS OF SPIE

Algorithms for Synthetic Aperture Radar Imagery XVIII

Edmund G. Zelnio
Frederick D. Garber
Editors

27–28 April 2011
Orlando, Florida, United States

Sponsored and Published by
SPIE

Volume 8051

Proceedings of SPIE, 0277-786X, v. 8051

The papers included in this volume were part of the technical conference cited on the cover and title page. Papers were selected and subject to review by the editors and conference program committee. Some conference presentations may not be available for publication. The papers published in these proceedings reflect the work and thoughts of the authors and are published herein as submitted. The publisher is not responsible for the validity of the information or for any outcomes resulting from reliance thereon.

Please use the following format to cite material from this book:
Author(s), "Title of Paper," in *Algorithms for Synthetic Aperture Radar Imagery XVIII*, edited by Edmund G. Zelnio, Frederick D. Garber, Proceedings of SPIE Vol. 8051 (SPIE, Bellingham, WA, 2011) Article CID Number.

ISSN 0277-786X
ISBN 9780819486257

Published by
SPIE
P.O. Box 10, Bellingham, Washington 98227-0010 USA
Telephone +1 360 676 3290 (Pacific Time) · Fax +1 360 647 1445
SPIE.org

Printed in the United States of America.

Publication of record for individual papers is online in the SPIE Digital Library.

SPIEDigitalLibrary.org

Paper Numbering: Proceedings of SPIE follow an e-First publication model, with papers published first online and then in print and on CD-ROM. Papers are published as they are submitted and meet publication criteria. A unique, consistent, permanent citation identifier (CID) number is assigned to each article at the time of the first publication. Utilization of CIDs allows articles to be fully citable as soon as they are published online, and connects the same identifier to all online, print, and electronic versions of the publication. SPIE uses a six-digit CID article numbering system in which:

- The first four digits correspond to the SPIE volume number.
- The last two digits indicate publication order within the volume using a Base 36 numbering system employing both numerals and letters. These two-number sets start with 00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 0A, 0B … 0Z, followed by 10-1Z, 20-2Z, etc.

The CID number appears on each page of the manuscript. The complete citation is used on the first page, and an abbreviated version on subsequent pages. Numbers in the index correspond to the last two digits of the six-digit CID number.

Contents

Conference Committee

Symposium Chair

William Jeffrey, HRL Laboratories, LLC (United States)

Symposium Cochair

Kevin P. Meiners, Office of the Secretary of Defense (United States)

Conference Chairs

Edmund G. Zelnio, Air Force Research Laboratory (United States)
Frederick D. Garber, Wright State University (United States)

Program Committee

David Blacknell, Defence Science and Technology Laboratory (United Kingdom)
Mujdat Cetin, Sabanci University (Turkey)
Gil J. Ettinger, BAE Systems Advanced Information Technologies (United States)
Charles V. Jakowatz, Jr., Sandia National Laboratories (United States)
Eric R. Keydel, SAIC (United States)
Jian Li, University of Florida (United States)
Michael Minardi, Air Force Research Laboratory (United States)
Randolph L. Moses, The Ohio State University (United States)
Les Novak, Scientific Systems Company, Inc. (United States)
Lee Potter, The Ohio State University (United States)
Brian D. Rigling, Wright State University (United States)
Timothy D. Ross, Air Force Research Laboratory (United States)
Michael A. Saville, Air Force Institute of Technology (United States)
Gerard W. Titi, BAE Systems Advanced Information Technologies (United States)

Session Chairs

1 Advanced SAR Imaging I
Charles V. Jakowatz, Jr., Sandia National Laboratories (United States)

2 Advanced SAR Imaging II
Lee Potter, The Ohio State University (United States)

3 Advance Motion Processing
Michael A. Saville, Air Force Institute of Technology (United States)