PROCEEDINGS OF SPIE

Solar Physics and Space Weather Instrumentation III

Silvano Fineschi
Judy A. Fennelly
Editors

4–6 August 2009
San Diego, California, United States

Sponsored and Published by
SPIE

Volume 7438

Proceedings of SPIE, 0277-786X, v. 7438

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 *Solar Physics and Space Weather Instrumentation III*, edited by Silvano Fineschi, Judy A. Fennelly, Proceedings of SPIE Vol. 7438 (SPIE, Bellingham, WA, 2009) Article CID Number.

ISSN 0277-786X
ISBN 9780819477286

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 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

POSTER SESSION

Conference Committee

Program Track Chair

Oswald H. Siegmund, University of California, Berkeley (United States)

Conference Chairs

Silvano Fineschi, Osservatorio Astronomico di Torino, INAF (Italy)
Judy A. Fennelly, Air Force Research Laboratory (United States)

Program Committee

Jean-Marc Defise, Centre Spatial de Liège (Belgium)
Francis G. Eparvier, University of Colorado at Boulder (United States)
J. Daniel Moses, Naval Research Laboratory (United States)

Session Chairs

1 Space Weather Missions
Judy A. Fennelly, Air Force Research Laboratory (United States)

2 Near-Earth Space Environment Instrumentation
Judy A. Fennelly, Air Force Research Laboratory (United States)

3 Solar Missions and Instrumentation I
Edward A. West, NASA Marshall Space Flight Center (United States)

4 Solar Missions and Instrumentation II
Edward A. West, NASA Marshall Space Flight Center (United States)

5 Future Solar Missions
Giuseppe Massone, Osservatorio Astronomico di Torino, INAF (Italy)

6 Solar Polarimetry
Silvano Fineschi, Osservatorio Astronomico di Torino, INAF (Italy)

7 Detectors and Ground Support Equipment I
Udo H. Schuehle, Max-Planck-Institut für Sonnensystemforschung (Germany)

8 Detectors and Ground Support Equipment II
Silvano Fineschi, Osservatorio Astronomico di Torino, INAF (Italy)