Front Matter: Volume 9853
Contents

v Authors
vii Conference Committee
ix Introduction

SESSION 1 MATHEMATICS AND MODELING

9853 02 Physical quantities involved in a Mueller matrix (Invited Paper) [9853-1]
9853 03 A deterministic method for studying depolarization in turbid media [9853-2]
9853 04 Index of refraction estimation from Stokes parameters with diffuse scattering consideration [9853-3]
9853 05 A new code SORD for simulation of polarized light scattering in the Earth atmosphere [9853-33]
9853 06 Estimators for overdetermined linear Stokes parameters [9853-5]

SESSION 2 INSTRUMENTATION I

9853 08 FlySPEX: a flexible multi-angle spectropolarimetric sensing system [9853-7]
9853 09 Narrowband emission line imaging spectrometry using Savart plates [9853-8]
9853 0A Acquisition method improvement for Bossa Nova Technologies’ full Stokes, passive polarization imaging camera SALSA [9853-9]

SESSION 3 APPLICATIONS AND MEASUREMENTS I

9853 0C Infrared active polarimetric imaging system controlled by image segmentation algorithms: application to decamouflage [9853-11]

SESSION 4 INSTRUMENTATION II

9853 0G Field deployable pushbroom hyperspectral imagining polarimeter [9853-14]
9853 0I Laboratory goniometer approach for spectral polarimetric directionality [9853-16]
<table>
<thead>
<tr>
<th>SESSION 5</th>
<th>ANALYSIS I</th>
</tr>
</thead>
<tbody>
<tr>
<td>9853 OJ</td>
<td>Revealing the polarization analyzer angles and the unknown target (Invited Paper) [9853-17]</td>
</tr>
<tr>
<td>9853 OK</td>
<td>Contrast optimization in broadband polarimetric imaging [9853-18]</td>
</tr>
<tr>
<td>9853 OL</td>
<td>Variation of linear and circular polarization persistence for changing field of view and collection area in a forward scattering environment [9853-19]</td>
</tr>
<tr>
<td>9853 OM</td>
<td>Polarimetric phenomenology in the reflective regime: a case study using polarized hyperspectral data [9853-20]</td>
</tr>
<tr>
<td>9853 ON</td>
<td>Estimating index of refraction for material identification in comparison to existing temperature emissivity separation algorithms [9853-21]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SESSION 6</th>
<th>APPLICATIONS AND MEASUREMENTS II</th>
</tr>
</thead>
<tbody>
<tr>
<td>9853 OO</td>
<td>Retrieval of the polarized submarine light field from above surface measurements using polarimetric imaging [9853-22]</td>
</tr>
<tr>
<td>9853 OP</td>
<td>Power spectra trends in imaging polarimetry of outdoor solar illuminated scenes [9853-23]</td>
</tr>
<tr>
<td>9853 OQ</td>
<td>Detection of a poorly resolved airplane using SWIR polarization imaging [9853-24]</td>
</tr>
<tr>
<td>9853 OR</td>
<td>Soil polarization data collected for the global undisturbed/disturbed Earth (GUIDE) program [9853-25]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SESSION 7</th>
<th>ANALYSIS II</th>
</tr>
</thead>
<tbody>
<tr>
<td>9853 OS</td>
<td>Development and validation of P-MODTRAN7 and P-MCScene, 1D and 3D polarimetric radiative transfer models [9853-26]</td>
</tr>
<tr>
<td>9853 OT</td>
<td>Estimation of errors in partial Mueller matrix polarimeter calibration [9853-27]</td>
</tr>
<tr>
<td>9853 OU</td>
<td>Maximum bandwidth snapshot channeled imaging polarimeter with polarization gratings [9853-28]</td>
</tr>
<tr>
<td>9853 OV</td>
<td>Channeled spectropolarimetry using iterative reconstruction [9853-29]</td>
</tr>
<tr>
<td>9853 OW</td>
<td>Bounds on the microanalyzer array assumption [9853-30]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>POSTER SESSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>9853 OY</td>
</tr>
<tr>
<td>9853 OZ</td>
</tr>
<tr>
<td>9853 10</td>
</tr>
</tbody>
</table>
Authors

Numbers in the index correspond to the last two digits of the six-digit citation identifier (CID) article numbering system used in Proceedings of SPIE. The first four digits reflect the volume number. Base 36 numbering is employed for the last two digits and indicates the order of articles within the volume. Numbers start with 00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 0A, 0B...0Z, followed by 10-1Z, 20-2Z, etc.

Ahmed, Sam, 0O
Aalen, Andrey S., 0T, 0W
Baumgartner, Wayne H., 0Z
Berk, Alexander, 0S
Berry, Thomas E., 0R
Bertaux, Nicolas, 0C
Black, J. Kevin, 0Z
Boffety, Matthieu, OC, 0K
Breugnot, S., 0A
Brickson, Leandra, 09
Carriazo, Carlos, 0O
Chenault, David B., 0Q
Chipman, Russell, 0P
Cho, Sang-Yeon, 04
Clark, Julia P., 03
Craven, Julia M., 0U, 0V
Dahl, Laura M., OQ
Dereniak, Eustace L., 0L
Derks, Roy, 08
Dhakal, Shantl, 10
El Ketara, M., 0A
El-Habashi, Ahmed, 0O
Esctu, Michael, 09
Feneyrou, Patrick, 0C
Foster, Robert, 0O
Furey, John, O6, OI, 0R
Galland, Frédéric, 0C
Gibney, Mark, 0M
Gil, José J., 0Z
Gillerson, Alex, 0O
Goudail, François, 0C, 0K
Gregory, Kyle J., 0Z
Gross, Kevin C., 0N
Hawes, Frederick T., 0S
Hill, Joanne E., 0Z
Holben, Brent, 05
Hu, HaoFeng, 0K
Jahoda, Keith, 0Z
Keller, Christoph U., 08
Kemme, Shanalyn A., 0L
Korkin, Sergey, 0S
Kudinov, Michael W., 09, 0G, 0U
Kupinski, Meredith, 0P
LaCasse, Charles F., 0U, 0V
Lee, Dennis J., 0V
Leviandier, Luc, 0C
Lord, Elizabeth, 0R
Lowenstein, Mariano, 0G
Lyapustin, Alexei, 0S
Maione, Bryan, 09
Martin, Jacob A., 0N
McGilloway, Anna, 0O
Morgan, Cliff, 0I, 0R
Ottaviani, Matteo, 0O
Peters, Hubert, 0B
Plassart, Corentin, 0C
Rahnemoonfar, Maryam, 10
Redman, Brian J., 0U
Richtsmeier, Steven C., 0S
Schechner, Yoav Y., 0J
Scrymgeour, David A., 0L
Shaw, Joseph A., 0Q
Sinyuk, Aliaksandr, 0S
Smulders, Edwin, 08
Snik, Frans, 08
Tan, Jian, 0Y
Thomas, LiJo, 0K
Tyo, J. Scott, 0T, 0W
van der Laan, John D., 0L
Vannier, Nicolas, 0C
Vaughn, Israel J., 0T, 0W
Vedel, M., 0A
Voelz, David G., 04
Wijnen, Merijn, 08
Wright, Jeremy B., 0L
Zahniser, Shellie, 0I
Zhan, Hanyu, 04
Zhang, Junping, 0Y
Zou, Bin, 0Y
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Introduction

This conference is the latest in a long series of conferences that address current research in optical polarization with an emphasis on remote sensing applications. It is the twelfth conference with the title (with some slight variation) *Polarization: Measurement, Analysis, and Remote Sensing*.

As improvements in imaging sensors, polarizer fabrication techniques, understanding of the Mueller matrix, and modeling fidelity occur, so too do we see improvements in the ability of polarization sensors to perform the tasks required in remote sensing. Subsequently, the results presented in this volume proceedings are evidence of this.

The *Polarization* conference series started in 1997 in San Diego, California, United States. Conferences prior to the current one in reverse chronological order are documented in Proceedings of SPIE Vols. 9099, 8364, 7672, 6972, 6240, 5432, 4819, 4481, 4133, 3754 and 3121.

The proceedings you have before you are made up of papers from seven conference sessions: one session addressed Mathematics and Modeling, two sessions focused on Instrumentation, two sessions described Applications and Measurements, and two others were devoted to Analysis.

We would like to express our sincere appreciation to our committee members, session chairs, and contributing authors whose combined efforts made this conference a success.

David B. Chenault
Dennis H Goldstein