PROCEEDINGS OF SPIE

Adaptive Optics Systems VIII

Laura Schreiber
Dirk Schmidt
Elise Vernet
Editors

17–22 July 2022
Montréal, Québec, Canada

Sponsored by
SPIE

Cosponsored by
A.D.S. International S.r.l. (Italy)
ALPAO S.A.S. (France)
Microgate (Italy)
NuvuCameras (Canada)
TNO (Netherlands)

Published by
SPIE

Volume 12185

Part One of Three Parts

Proceedings of SPIE 0277-786X, V. 12185

The papers 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. Additional papers and presentation recordings may be available online in the SPIE Digital Library at SPIEDigitalLibrary.org.

The papers 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 these proceedings:
Author(s), "Title of Paper," in *Adaptive Optics Systems VIII*, edited by Laura Schreiber, Dirk Schmidt, Elise Vernet, Proc. of SPIE 12185, Seven-digit Article CID Number (DD/MM/YYYY); (DOI URL).

ISSN: 0277-786X
ISSN: 1996-756X (electronic)

ISBN: 9781510653511
ISBN: 9781510653528 (electronic)

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

Printed in the United States of America by Curran Associates, Inc., under license from SPIE.

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

SPIE. DIGITAL LIBRARY
SPIEDigitalLibrary.org

Paper Numbering: A unique citation identifier (CID) number is assigned to each article in the Proceedings of SPIE at the time of 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 and print versions of the publication. SPIE uses a seven-digit CID article numbering system structured as follows:

- The first five 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.

Contents

POSTER SESSION: POSTPROCESSING AO DATA

POSTER SESSION: POSTPROCESSING AO DATA (PSF RECONSTRUCTION)

POSTER SESSION: PROJECT STATUS

POSTER SESSION: CALIBRATION (ELTS)

POSTER SESSION: CONTROL SYSTEMS (ELTS)

POSTER SESSION: MODELING, SIMULATION AND ANALYSIS OF AO SYSTEMS

Part Three

POSTER SESSION: ATMOSPHERIC DISTURBANCES

POSTER SESSION: CALIBRATION

POSTER SESSION: WAVEFRONT MODULATING DEVICES (CONTROL)

POSTER SESSION: WAVEFRONT RECONSTRUCTION AND CONTROL ALGORITHMS

POSTER SESSION: WAVEFRONT SENSING