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Optical System Alignment and Tolerancing II

José M. Sasian
Richard N. Youngworth
Editors

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Contents

vii	Conference Committee
ix	Introduction

SESSION 1 TOLERANCING OPTICAL SYSTEMS

7068 02	Probabilistic method for multiparameter tolerancing in illuminator design [7068-01] S. Smirnov, E. Catey, ASML Wilton (United States)
7068 03	Tolerances don't lie...and stories of the Grand Canyon! (Invited Paper) [7068-02] R. E. Fischer, OPTICS 1, Inc. (United States)
7068 04	Tolerancing and corner cases in optical simulation [7068-03] R. P. Dahlgren, K. D. Pedrotti, Univ. of California/Santa Cruz (United States)
7068 07	The effect on tolerance distributing of an off-axis three mirror anastigmatic optical system with wavefront coding technology [7068-05] F. Yan, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate School, Chinese Academy of Science (China); X. Zhang, Changchun Institute of Optics, Fine Mechanics and Physics (China)

SESSION 2 ALIGNMENT METHODOLOGY AND THEORY

7068 08	IR spectrometer using 90-degree off-axis parabolic mirrors [7068-06] R. M. Malone, National Security Technologies, LLC (United States); D. H. Dolan, Sandia National Labs. (United States); R. G. Hacking, I. J. McKenna, National Security Technologies, LLC (United States)
7068 0A	Alignment analysis of optical systems using derivative information [7068-08] C. Olson, L-3 Communications (United States); R. N. Youngworth, Light Capture, Inc. (United States)
7068 0B	Line of sight methods of alignment [7068-09] R. E. Parks, Optical Perspectives Group, LLC (United States) and College of Optical Sciences/The Univ. of Arizona (United States)
7068 0C	A simple tool for alignment and wavefront testing: experimental results [7068-10] W. P. Kuhn, Opt-E (United States)

SESSION 3 INSTRUMENT AND SYSTEM ALIGNMENT

7068 0D	Active alignment for the Large Binocular Telescope Bent-Gregorian focus: first results [7068-11] A. Rakich, D. L. Miller, Large Binocular Telescope Observatory (United States)
---------	---

- 7068 OE **Alignment induced aberration fields of next generation telescopes (Invited Paper)** [7068-12]
T. Schmid, CREOL/Univ. of Central Florida (United States); K. Thompson, Optical Research Associates (United States); J. Rolland, CREOL/Univ. of Central Florida (United States)
- 7068 OF **Optical metrology and alignment of the James Webb Space Telescope Integrated Science Instrument Module** [7068-13]
J. A. Connelly, B. J. Bos, P. S. Davila, W. L. Eichhorn, B. J. Frey, J. G. Hagopian, J. E. Hylan, J. M. Marsh, D. B. McGuffey, NASA Goddard Space Flight Ctr. (United States); J. McMann, QinetiQ North America (United States); M. D. Nowak, R. G. Ohl, NASA Goddard Space Flight Ctr. (United States); K. W. Redman, QinetiQ North America (United States); D. Sabatke, Ball Aerospace & Technologies Corp. (United States); H. P. Sampler, NASA Goddard Space Flight Ctr. (United States); J. Stock, SGT, Inc. (United States); J. Sullivan, Ball Aerospace & Technologies Corp. (United States); G. W. Wenzel, QinetiQ North America (United States); G. A. Wright, NASA Goddard Space Flight Ctr. (United States); P. Young, Young Engineering Services (United States)
- 7068 OG **Determination of wavefront measurement points for predicting full-field NIRCcam wavefront performance** [7068-14]
B. Herman, T. B. Andersen, P. F. Schweiger, Lockheed Martin Space Systems Co. (United States)
- 7068 OH **Assessment of NIRCcam alignment tolerances by Monte Carlo simulations** [7068-15]
T. B. Andersen, P. F. Schweiger, Lockheed Martin Space Systems Co. (United States)

SESSION 4 ALIGNMENT DEVICES, METROLOGY, AND FABRICATION

- 7068 OI **Cross-grating slit test with an interlacing tip-tilt alignment method** [7068-16]
C.-W. Liang, C.-F. Ou, National Central Univ. (Taiwan)
- 7068 OK **Metrologically speaking** [7068-18]
M. E. Hansen, ASML Optics (United States)
- 7068 OL **An alignment technique based on the speckle correlation properties of Fresnel transforming optical systems** [7068-19]
J. E. Ward, Univ. College Dublin (Ireland); D. P. Kelly, National University of Ireland (Ireland); J. T. Sheridan, Univ. College Dublin (Ireland)
- 7068 OM **Miniaturised optical encoder** [7068-20]
J. Carr, Heriot-Watt Univ. (United Kingdom) and Renishaw plc (United Kingdom); M. P. Y. Desmulliez, Heriot-Watt Univ. (United Kingdom); N. Weston, D. McKendrick, G. Cunningham, G. McFarland, Renishaw plc (United Kingdom); W. Meredith, A. McKee, C. Langton, I. Eddie, CST Global Ltd (United Kingdom)

POSTER SESSION

- 7068 OO **Closed-loop high-precision position control system with two modes** [7068-22]
C. Ge, Univ. of Electric and Scientific Technology of China (China) and Institute of Applied Electronics (China); G. Fan, Z. Huang, Z. Liu, Z. Li, J. Wu, M. Wan, X. Hu, Institute of Applied Electronics (China); Z. Liang, Univ. of Electric and Scientific Technology of China (China)

- 7068 OP **Misalignment parameters estimation in refractive optical systems** [7068-23]
B. F. C. de Albuquerque, R. V. F. Lopes, H. K. Kuga, Instituto Nacional de Pesquisas Espaciais (Brazil); E. G. de Carvalho, L. C. Nakata Scaduto, M. A. Stefani, Opto Eletrônica S.A. (Brazil)
- 7068 OQ **Verification of the James Webb Space Telescope Integrated Science Instrument Module cryogenic structural alignment requirements via photogrammetry** [7068-24]
M. Nowak, NASA Goddard Space Flight Ctr. (United States); P. Cleveland, Energy Solutions International, LLC (United States); A. Crane, Alliant Techsystems Inc. (United States); P. Davila, A. Herrera, J. Hylan, NASA Goddard Space Flight Ctr. (United States); A. Liehr, Stinger Ghaffarian Technologies (United States); J. Marsh, R. Ohl, NASA Goddard Space Flight Ctr. (United States); K. Redman, QinetiQ Inc. (United States); H. Sampler, NASA Goddard Space Flight Ctr. (United States); J. Stock, Stinger Ghaffarian Technologies (United States); G. Wenzel, QinetiQ Inc. (United States); R. Woodruff, Lockheed Martin Space Systems Co. (United States); P. Young, Young Engineering Services, Inc. (United States)

Author Index

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Session Chairs

- 1 Tolerancing Optical Systems
Sen Han, Veeco Metrology Inc. (United States)
José M. Sasian, College of Optical Sciences, The University of Arizona
(United States)
- 2 Alignment Methodology and Theory
Chao-Wen Liang, National Central University (Taiwan)
Mitchell C. Ruda, Ruda and Associates, Inc. (United States)
- 3 Instrument and System Alignment
Robert E. Parks, Optical Perspectives Group, LLC (United States) and
College of Optical Sciences, The University of Arizona (United States)
David V. Wick, Sandia National Laboratories (United States)
- 4 Alignment Devices, Metrology, and Fabrication
Maria D. Nowak, NASA Goddard Space Flight Center (United States)
Richard N. Youngworth, Light Capture, Inc. (United States)

Introduction

This is the second year that the Optical Systems Alignment and Tolerancing Conference at the SPIE Optics and Photonics Symposium has been offered. The conference this year has again been a success, with strong papers and presentations on a wide variety of topics.

The topics of tolerancing and alignment continue to play crucial roles in the development and production of optical systems. The topics are closely related and very timely as current technology is forging ahead with new methods, novel systems, and increasingly challenging requirements for a number of applications. Tolerancing and alignment are growing topics that will continue to play key roles for the success of such systems.

The Optical Systems Alignment and Tolerancing Conference intends to provide a forum where past and current knowledge about optical alignment and tolerancing is discussed. Topics include methods, applications, algorithms, and hardware related to alignment and tolerancing. In this second year, we have continued to have a variety of papers from traditional applications, mathematics, and methods, to fundamental properties of light and physical optics phenomena. The conference continued its perceived useful value with positive feedback from the audience. The reader can browse and read the papers in this volume to benefit from the expertise brought to bear by the authors. We thank everyone who has made this conference a success in its second year: the authors, audience, committee, and SPIE.

Next year we will add the topic of verification, which is essential for many types of systems. Verification of optical system performance and methodologies is also a subject closely related to alignment and tolerancing. Hence, it fits well with the current program and deserves a place in the conference. Please look for Optical Systems Alignment, Tolerancing, and Verification Conferences in the future. We look forward to next year's conference being a continued success.

José M. Sasian
Richard N. Youngworth