

# High-resolution Wavefront Control: Methods, Devices, and Applications II (Proceedings of Spie) (v. 2)



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**Silicon Deformable Mirrors and CMOS-based Wavefront Sensors** Results 1 - 12 of 79 High-Resolution Wavefront Control: Methods, Devices, and Applications Methods, Devices, and Applications II (Proceedings of Spie) (v. 2). : **Mikhail A. Vorontsov: Books** Proceedings Article Adaptive Optics and Wavefront Control for Biological Systems II Thomas G. Ntziachristos, V., Going deeper than microscopy: the optical Methods 7(8), 603614 (2010). 2. Zhang, H. F., Maslov, K., Stoica, G. Wang, L. V., Functional photoacoustic microscopy for highresolution and **Adaptive Optics and Wavefront Control for Biological Systems III** Philip Watson 1996- 2000 Ph.D ( to 3M Optical Devices Div) .. Modeling and performance limits of a large aperture high-resolution wavefront control .. lens based on liquid crystals in Proceedings of the SPIE, Volume 7944, pp. . P. Bos, Advanced Wavefront Control: Methods, Devices and Applications II, 2-3 (2004). **Adaptive Optics Systems III - Proceedings of SPIE - SPIE Digital** Proceedings Article SPIE 9979, Laser Communication and Propagation through the Atmosphere and Oceans V, 99790I (September 19, 2016) doi:10.1117/12.2238589 mirror correcting for high spatial frequencies with small amplitude. in [Advanced Wavefront Control: Methods, Devices, and Applications II ] **The adaptive optics and transmit system for NASAs Laser** SPIE 9906, Ground-based and Airborne Telescopes VI, 990602 (July 27, . Radar Space Debris Applications Telescopes for Synoptic and Survey Observations II . Wavefront Control Segmented Mirror Alignment and Phasing Systems . A high-sensitivity EM-CCD camera for the open port telescope cavity of SOFIA. **Error Budget Analysis for an Adaptive Optics Optical Coherence** SPIE 9909, Adaptive Optics Systems V, 990901 (July 26, 2016) doi: 10.1117/. A new driving method for piezo deformable mirrors: open loop control and MOAO made easy. PDF Keck II laser guide star AO system and performance with the . C-RED one: ultra-high speed wavefront sensing in the infrared made possible. : **Mark T. Gruneisen: Books** This paper presents a hybrid laser beam-steeringwavefront-control In many

aerospace applications, when an optical platform is placed .. at the next iteration will include the following vertices: X1, V2, Vn+1. .. in High-Resolution Wavefront Control: Methods, Devices, and .. Access This Proceeding. **Research Publications - Geoff Andersens Website** SPIE 10073, Adaptive Optics and Wavefront Control for Biological Systems III, Wavefront Shaping Devices. Wavefront control with a multi-actuator adaptive Lens in imaging applications. PDF Wavefront coding for fast, high-resolution light-sheet microscopy Shaped Beams for Light Sheet and Structured Illumination II. **Philip Bos Kent State University** adaptive optics like laser beam control and ophthalmology. High-Resolution Wavefront Control: Methods, Devices, and Applications II, Proceedings of SPIE Vol. . (2) where V is the applied voltage and d is the separation between the **Micromachined Deformable Mirrors for Dynamic Wavefront Control** II-IV-V2 and I-III-VI2 nonlinear optical crystals for mid-IR range: Schottky defects Proceedings Volume 3760 (High-Resolution Wavefront Control: Methods, 3760, High-Resolution Wavefront Control: Methods, Devices, and Applications, 240 Dual-frequency nematic devices for wavefront control: preliminary results. PDF. **Austin/Homepage/Cvitae - Roorda Lab** SPIE 9605, Techniques and Instrumentation for Detection of Exoplanets VII, Low order wavefront sensing and control for WFIRST-AFTA coronagraph .. Ground-Based Instruments and Processing II . Deconvolution of differential OTF (dOTF) to measure high-resolution wavefront structure . Access This Proceeding. **Fluorescence and optical-resolution photoacoustic imaging through** SPIE Proceedings Volume 7466 Advanced Wavefront Sensing > Advanced Wavefront Control: Methods, Devices, and Applications VII The high-temporal resolution and spatial resolution of the sensor is demonstrated. S., Atmospheric Propagation Vs. Aero-Optics, AIAA Paper 2008-1076 (2008). **Military Laser Technology for Defense: Technology for - Google Books Result** High-resolution Wavefront Control: Methods, Devices, and Applications II (Proceedings of Spie) (v. 2). Nov 22, 2000. by John D. Gonglewski and Mikhail A. **resume - Liquid Crystal Institute, Kent State University** Figures of merit for the system include stroke of 2 jim, resolution of 10 High-Resolution Wavefront Control: Methods, Devices, and Applications II, Proceedings of SPIE Vol. . Figure 5: Measured voltage vs. deflection for a typical actuator. **manufacturing of an optical quality mirror system for - bu people** Proceedings Volume 3760 (High-Resolution Wavefront Control: Methods, Devices, Proceedings Volume 3812 (Applications and Science of Neural Networks, and Evolutionary Computation II, 24 (November 1, 1999) doi:10.1117/12.367697 3753, Imaging Spectrometry V, 2 (October 27, 1999) doi:10.1117/12.366268 **Ground-based and Airborne Telescopes VI - Proceedings of SPIE** In this paper we discuss both the techniques for characterizing these error OCT is an imaging modality that allows high volumetric resolution (few ?m) . The closed-loop rms WFE values are shown for three subjects in Fig.2. Two of .. Wavefront Control: Methods, Devices and Applications II. Proc. SPIE. 20045553:116. **Fusion of adaptive beam steering and optimization-based wavefront** Keywords: deformable mirrors, lasers, adaptive optics, high-power, thermal High-Resolution Wavefront Control: Methods, Devices, and Applications III, John D. Mikhail A. Vorontsov, Mark T. Gruneisen, Editors, Proceedings of SPIE Vol. Figure 2 shows a cross-sectional view of the deformable mirror architecture we **P.S. Krishnaprasad research - Institute for Systems Research** High-Resolution Wavefront Control: Methods, Devices, and Applications III, John D. Mikhail A. Vorontsov, Mark T. Gruneisen, Editors, Proceedings of SPIE Vol. Voltage (V) ii). 1. IA. 7. 12. ,1 t8. I-. 7. 6. // .0.4. Proc. SPIE Vol. 4493. 14 Figure 7: 2 point profile of a continuous mirror membrane over one actuator before **Deformable Mirrors for High-Power Lasers - Stanford University** Advanced Wavefront Control: Methods, Devices, and Applications II, edited by John D. Mark T. Gruneisen, Michael K. Giles, Proceedings of SPIE Vol. **Techniques and Instrumentation for Detection of Exoplanets VII** A simple control law for UAV formation flying, Institute for Systems Research Steering Laws for Motion Camouflage Proceedings of the Royal Society of 1 & 2, pp. 25-49. J. C. Simo, J. E. Marsden and P. S. Krishnaprasad (1988). .. Filter, in High-resolution Wavefront Control: Methods, Devices and Applications II, Proc. Proceedings Article Samuel V. Mantravadi, Troy A. Rhoadarmer, Robert S. Glas. Air Force Research Lab. (USA). Proc. SPIE 5553, Advanced Wavefront Control: Methods, Devices, and Advanced Wavefront Control: Methods, Devices, and Applications II Compact active high-resolution imaging system. **Designing and testing a high-bandwidth 2-D wavefront sensor for** SPIE 9717, Adaptive Optics and Wavefront Control for Biological Systems II, 971701 (June 24, Stand-alone scattering optical device using holographic photopolymer Overcoming the resolution limit in retinal imaging using the scattering Aberration control in 4Pi nanoscopy: definitions, properties, and applications **Adaptive optics with advanced phase-contrast techniques. I. High** Principles and Applications of Optical Communications. On the possibility of high power gyrotrons for super range resolution radar In Proceedings of SPIE, High Resolution Wavefront Control: Methods, Devices, of SPIE, Active and Passive Optical Components for WDM Communications V, Vol. 7442-2, August 2009. **Optical Materials Topic Collection SPIE Books SPIE** SPIE Proceedings Volume 4493

Poster Session >. . Proceedings Article Valentina Y. Zavalova, Alexis V. Kudryashov High-Resolution Wavefront Control: Methods, Devices, and Applications III Zernike coefficients, beam quality (M2) could be calculated with the help of such a sensor. **Adaptive Optics and Wavefront Control for Biological Systems II** High-resolution Wavefront Control: Methods, Devices, and Applications II (Proceedings of Spie) (v. 2) [John D. Gonglewski, Mikhail A. Vorontsov, Mark T. **Shack-Hartmann wavefront sensor for laser beam analyses High Simple laboratory system for generating well-controlled atmospheric** SPIE 8447, Adaptive Optics Systems III, 844701 (September 13, 2012) doi: .. wavefront sensor: a method for high sensitivity wavefront reconstruction . Matvey V. Kornilov AO Disturbances Modeling and Characterization II .. An AO real-time control solution for ELT scale instrumentation and application to EAGLE. **High-resolution Wavefront Control: Methods, Devices, and** A high resolution, holographically corrected microscope with a Fresnel lens objective at large working distances, Opt. Exp. 2, 546-551 (1998). 49th Annual Meeting SPIE, Advanced Wavefront Control: Methods, Devices and Applications II, Telescopes and Instrumentation, Space Telescopes and Instruments V, Proc. **Micromachined deformable mirror for optical wavefront - bu people** His research interests include novel liquid crystal devices and applications. and performance limits of a large aperture high-resolution wavefront control .. Philip Bos, Matthew Nelson, Patrick Treado, SPIE Proceedings Volume 6378 of Bos, Advanced Wavefront Control: Methods, Devices and Applications II, 2-3 (2004).