






Icon Key



	Of Interest
	BMC Product
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Adaptive Optics Talk List



SATURDAY, January 22, 2011

10:30AM – 10:45 AM	Room 306		Advanced capabilities of the multimodal adaptive optics imager Paper 7885-8 of Conference 7885 Author(s): Daniel X. Hammer, Mircea Mujat, Nicusor V. Iftimia, Ankit H. Patel, Emily P. Plumb, David P. Biss, Robert D. Ferguson, Physical Sciences Inc. (United States); Melanie C. W. Campbell, Univ. of Waterloo (Canada); Toco Chui, James D. Akula, Anne B. Fulton, Children's Hospital Boston (United States) and Harvard Medical School (United States)
10:45AM – 11:00 AM			AO-OCT with reference arm phase shifting for complex conjugate artifact free imaging of in-vivo retinal structures Paper 7885-9 of Conference 7885 Author(s): Robert J. Zawadzki, DaeYu Kim, UC Davis Medical Ctr. (United States); Steven M. Jones, Lawrence Livermore National Lab. (United States); Suman Pilli, UC Davis Medical Ctr. (United States); Scot S. Olivier, Lawrence Livermore National Lab. (United States); John S. Werner, UC Davis Medical Ctr. (United States)
11:00AM – 11:15 AM			3D imaging of cone photoreceptors over extended time periods using optical coherence tomography with adaptive optics Paper 7885-10 of Conference 7885 Author(s): Omer P. Kocaoglu, Sangyeol Lee, Qiang Wang, Ashley E. Herde, Jason Besecker, Weihua Gao, Ravi S. Jonnal, Donald T. Miller, Indiana Univ. (United States)

SUNDAY, January 23, 2011

11:45 AM – 12:00 PM	Room 306		Low-coherence wavefront sensing for AO imaging in rodent eyes Paper 7885-42 of Conference 7885 Author(s): Robert D. Ferguson, Daniel X. Hammer, Mircea Mujat, Nicusor V. Iftimia, Niyom Lue, David P. Biss, Ankit H. Patel, Physical Sciences Inc. (United States); James D. Akula, Children's Hospital Boston (United States)
4:15 PM – 4:30 PM			Inner-layer-based birefringence measurement of RNFL using PS-OCT Paper 7885-52 of Conference 7885 Author(s): Qiang Wang, Indiana Univ. (United States); Barry Cense, Utsunomiya Univ. (Japan); Omer P. Kocaoglu, Weihua Gao, Ravi S. Jonnal, Sangyeol Lee, Donald T. Miller, Indiana Univ. (United States)

MONDAY, January 24, 2011

2:20 PM– 2:40 PM	Room 304		An improved focus control mirror using SU-8 wafer bonding process Paper 7930-2 of Conference 7930 Author(s): Mohammad J. Moghimi, Jeffrey B. Lutzenberger, Kyle W. Oliver, Steven C. Gates, Montana State Univ. (United States); Brant Kaylor, Bridger Photonics, Inc. (United States); David L. Dickensheets, Montana State Univ. (United States)
2:40 PM – 3:00 PM			SU-8 focus control mirrors released by XeF₂ dry etch Paper 7893-3 of Conference 7893 Author(s): Sarah J. Lukes, David L. Dickensheets, Montana State Univ. (United States)

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Conference 7931

MEMS Adaptive Optics V

Events Listed Below

TUESDAY, January 25, 2011

3:40 PM – 4:10 PM	Room 125		Applications of MEMS in segmented mirror space telescopes Paper 7931-1 of Conference 7931 Author(s): Brij Agrawal, Naval Postgrad. School (USA); Joel Kubby, Univ. of Calif., Santa Cruz (USA)
4:10 PM – 4:30 PM			Ultra-low-power multiplexed electronic driver for high resolution deformable mirror systems Paper 7931-20 of Conference 7931 Date: Tuesday, 25 January 2011 Time: 4:10 PM - 4:30 PM Author(s): Mark N. Horenstein, Robert Sumner, Boston Univ. (USA); Jason Stewart, Steven Cornelissen, Boston Micromachines(USA); Preston Miller, Boston Univ. (USA); Thomas Bifano, Boston Univ. (USA) and Boston Micromachines (USA)
7:30PM– 9:00 PM	InterContinental Hotel Ballroom C (888 Howard St.)		PANEL DISCUSSION: Does Space need MEMS? How to Qualify MEMS for Space? <i>Moderators:</i> Herbert R. Shea, Ecole Polytechnique Fédérale de Lausanne (Switzerland) Wilfried Noell, Ecole Polytechnique Fédérale de Lausanne (Switzerland) <i>Panelists:</i> Mr. Paul Bierden, Boston Micromachines Corp. (USA) Dr. Alex Dommann, Ctr. Suisse d'Electronique et de Microtechnique SA (CHE) Dr. Tor-Arne Gronland, Nanospace (Sweden) Dr. Benedikt Guldemann, ESA (Netherlands) Dr. Henry Helvajian, The Aerospace Corp. (USA) Dr. Milind Pimpikar, CANEUS International (Canada) Dr. Alan Scott, ComDEV (Canada)

THURSDAY, January 27, 2011

8:30 AM – 8:55 AM	Room 274		Development of an enhanced AO system for the Lick Obs. Shane 3-meter telescope Paper 7931-2 of Conference 7931 Author(s): Donald T. Gavel, Univ. of California Observatories (United States)
8:55 AM – 9:20 AM			The use of a high-order MEMS deformable mirror in the Gemini Planet Imager Paper 7931-3 of Conference 7931 Author(s): Lisa A. Poyneer, Bruce A. Macintosh, Lawrence Livermore National Lab. (United States)
1:40 PM – 1:55 PM			Polymorphic optical zoom with MEMS DMs Paper 7931-12 of Conference 7931 Author(s): Yang Lu, Samuel M. Hoffman, Christopher R. Stockbridge, Andrew P. LeGendre, Boston Univ. (USA); Jason Stewart, Boston Micromachines (USA); Thomas Bifano, Boston Univ. (USA)
1:55PM – 2:20 PM			Implementation of adaptive optics in beam scanning and widefield optical microscopy Paper 7931-14 of Conference 7931 Date: Thursday, 27 January 2011 Author(s): John M. Girkin, Durham Univ. (United Kingdom)
3:40 PM – 4:05 PM			Adaptive optics two photon scanning laser fluorescence microscopy Paper 7931-17 of Conference 7931 Author(s): Yaopeng Zhou, GE Healthcare (United States); Thomas Bifano, Boston Univ. (United States); Charles Lin, Wellman Ctr. for Photomedicine (United States)
4:30 PM – 4:45 PM			Adaptive optics widefield microscope corrections using a MEMS DM and Shack-Hartmann wavefront sensor Paper 7931-19 of Conference 7931 Author(s): Oscar A. Azucena, Joel Kubby, Univ. of California, Santa Cruz (United States)