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EDUCATION:

- 1997 Ph.D. (Physics and Astronomy), Univ. of Denver, Denver, CO.
Dissertation: *Silicate Feature Variation in Long Period Variable Stars*, Advisor: R. E. Stencel
- 1992 M.S. (Physics), Univ. of North Dakota, Grand Forks, ND.
- 1990 B.S. (Physics & Applied Mathematics *cum laude*), Univ. of North Dakota, Grand Forks, ND.

RESEARCH EXPERIENCE:

- 2003-Pres. **Project Scientist** Magdalena Ridge Observatory Interferometer,
New Mexico Institute of Mining and Technology, Socorro, NM, 87801.
- Scientific spokesperson for interferometer project.
 - Member of design team for interferometer subsystems.
 - Interim Project Manager (3/05-3/06).
- 2002-2005 **Scientist** contracted to JPL, Interferometry Systems & Technology, Section 383.
- Assembled and operated Keck Interferometer $10\mu\text{m}$ camera for Nulling Beam Combiner.
 - Studied stellar evolution of Miras, P Cyg and YSOs using infrared interferometry.
 - Supervised student doing optical component assembly and testing for $10\mu\text{m}$ camera.
- 1999-2002 **Postdoctoral Scholar**, Div. of Earth and Space Sciences, Caltech-JPL.
- Designed, procured and tested components for Keck Interferometer $10\mu\text{m}$ camera.
 - Implemented IR nulling experiments through equipment procurement & lab management.
 - Observed brown dwarf stars in mid-infrared with large aperture telescope.
 - Studied stellar evolution of Miras, binaries and YSOs using infrared interferometry.
- 1997-1999 **Postdoctoral Scholar**, Dept. of Geology and Planetary Sciences, Caltech.
- Reduced, analyzed and modeled ISO LWS data of YSOs.
 - Acquired and analyzed IR & optical coronagraphic data for 16 pc. stellar sample.
 - Studied stellar evolution of Miras, Cepheids and binaries using infrared interferometry.
- 1997-Pres. **Adjunct Research Scientist**, Dept. of Physics and Astronomy, Univ. of Denver.
- Reduced, analyzed and modeled ISO SWS data of Mira variables.
 - Advised on operation of $10\mu\text{m}$ spectrometer and camera.
 - Committee member for Ph.D. candidates.
- 1993-1997 **Graduate Research Asst.**, Dept. of Physics and Astronomy, Univ. of Denver.
- Designed, procured components, assembled and tested $10\mu\text{m}$ spectrometer.
 - Tested, optimized operation and observed galactic targets with $10\mu\text{m}$ camera.
 - Planned observational strategy for guaranteed time ISO program of R. E. Stencel.

TEACHING EXPERIENCE:

- 2003-Pres. **Professor of Physics**
New Mexico Institute of Mining and Technology, Socorro, NM.
Assistant Professor: 2003-2008; Associate Professor: 2008-Present.
Department Chair: 2013-Present.
- Sole responsibility for two introductory level calculus-based physics courses, undergrad. E&M, optics and prob. solving courses, grad. stellar astrophysics course.
 - Cotaught undergrad./grad. course in astrobiology with 2 other professors.
 - Designed courses and supervised recitation sections.
 - Supervised undergraduate teaching asst.

- Supervised undergraduate and graduate research.
- 2003 **Visiting Professor**, University of California, Los Angeles, CA.
 - Sole responsibility for course “Life in the Universe” in Astronomy Division.
- 1995 **Astronomy Instructor**, Dept. of Physics and Astronomy, Univ. of Denver.
 - Sole responsibility for lecture and lab of introductory astronomy course.
 - Designed course and laboratory curriculum.
- 1992-1993 **Physics Instructor**, Rainy River Comm. College, International Falls, MN.
 - Sole responsibility for full-year calculus & algebra-based physics lectures & labs, and single-term lectures & labs in physics, astronomy, FORTRAN and intro. to computers.
 - Designed all courses and laboratory curricula.
 - Supervised student laboratory assistants.
- 1992 **Physics Instructor**, INMED Program, Univ. of North Dakota.
 - Sole responsibility for teaching high-school physics prep. courses for Native Americans entering medical profession.

PROFESSIONAL AND ACADEMIC AWARDS:

- 2013 Selected as TEDx Albuquerque Speaker.
- 2006 NMT Center for Innovative Teaching and Learning (CITL) group grant to teach interdisciplinary Astrobiology course.
- 2005 NASA Technical Excellence Award. Keck Interferometer Nuller Development Team.
- 2001 JPL Technical Excellence Award. Keck Interferometer Development Team.
- 1994-1997 NASA Graduate Student Research Program (GSRP) Training Grant.
- 1996 IAU Travel Award to present at conference in Antalya, Turkey.
- 1995 2 Week Theoretical Astrophysics Summer School, Oslo, Norway,
Radiative Transfer & Radiation Hydrodynamics.
- 1994 & 1996 Donald H. Menzel Fellowship for travel to present at conferences.

COMPETITIVE OBSERVING TIME AWARDS:

- 2010-2012 NASA award of 20 hours as advisor to PI for program on the NASA IRTF.
- 2009 NASA award of 10 hours at PI for program on the Keck Interferometer.
- 2008 Spitzer award of 25.6 hours as PI for AGB stars program.
- 2006 NOAO award of 10 hours as Co-I for program on Keck Interferometer.
- 1999-2008 PTI PI/Co-I awards for several programs ranging from 5 to 160 hours observing time each season, research ongoing.
- 1999-2003 Palomar Observatories (60” and 5m) PI/Co-I programs ranging from 1 to 6 nights.
- 2002 NOAO award of 20 hours to use TReCs on Gemini South.
- 2001 NOAO award of 10 hours to use OSCIR on Gemini South.
- 1995 ISO PI award of 8 hours time to use SWS including NASA monetary award.
- 1995 UKIRT Service Time for use of CGS-3.

PROFESSIONAL AND ACADEMIC ORGANIZATIONS:

- 2013-Pres. International Astronomical Union Member.
- 1992-Pres. American Astronomical Society.
- 1999-2011 Palomar Testbed Interferometer Collaboration.
- 1995-Pres. Sigma Xi Scientific Research Society.
- 1992-1993 Minnesota Community College Faculty Association.

COMMUNITY SERVICE:

- 2013-Pres. Co-Chair, SPIE Optical and Infrared Interferometry Session 2014
- 2010-2014 Elected member of American Astronomical Society Committee on Employment
- 2007-12 Service on 6 NASA panels for exoplanets and instrumentation.
- 2011-12 NASA-Keck Galactic TAC and TAC Chair (1 term).

- 2012-13 Member of SOC for STScI Conference on Exoplanets.
 2011 SOC Chair and LOC Organizer of MROI Science Conference.
 2008 Member of LOC for LANL Stellar Pulsation Conference.
 2006-12 NSF Grant Application Anonymous Referee 13 times.
 2007-12 Member of Management Operations Working Group (MOWG)
 for NASA's Keck and IRTF telescopes.
 2007-Pres. Member and chair (09-10), US Interferometry Consortium (USIC). Group of
 project scientists & managers from US interferometers raising profile of optical
 interferometry for 2010 Astrophysics Decadal Review.
 2006 Michelson Summer Workshop Scientific Organizing Committee (SOC) Member.
 2006 SPIE Interferometry Conference SOC Member. Dissertation award committee member.
 2005-6 COGBI Panel Member, NOAO, to feed into Decadal Survey.
 2004-5 NSF Panel Reviewer - Stellar Evolution: Evolved Stars.
 2004 NOAO "Building the System from the Ground Up", Invited Attendee.
 2002-Pres. NASA Grant Application Anonymous Referee and NASA ORAU Postdoc Referee 8 times.
 2001-Pres. *Astrophysical Journal*, *ApJ Letters*, *Astronomy & Astrophysics* & *Monthly
 Notices of the Royal Astronomical Society* Referee.
 2000-2002 Ph.D. Committee Member, Adjunct, Univ. of Wyoming, Dept. Physics & Astronomy.
 1999 & 2002-3 Palomar Testbed Interferometer Time Allocation Committee Member.

STUDENTS SUPERVISED:

Tina Gueth (M.S. & Ph.D. supervisor), Mallory White (graduate research), Tristan Wolfe (M.S. supervisor), Genevieve Vaive (undergraduate research), Andrea Gallegos (undergraduate research), Dan Rodeheffer (undergraduate research), Alex Luts (graduate research), Michael Hrynevych (postdoc), Luke Schmidt (Ph.D. committee/Postdoc supervisor), Heather Bloemhard (graduate student/Ph.D. supervisor), Tyler McCracken (graduate student/Ph.D. supervisor), Kamel Houairi (postdoc), Jessica Elias (graduate student/M.S. supervisor), Alisa Shtromberg (graduate student/M.S. supervisor), Colby Jurgenson (postdoc), Robert R. Thompson (Ph.D. supervisor), Jason Geis (undergrad. coop.), Emily Fryer (Ph.D. advisor), Alexa Hart (graduate research/Ph.D. committee), Josh Marvil (graduate research), Esteban Araya (Ph.D. committee), Buckner Creel (Ph.D. committee), Crystal Anderson (Ph.D. committee), Sean Sullivan (undergraduate research), Daniel Jacobs (undergraduate research), David Cady (undergraduate research), Paul Festler (undergraduate research), Brett Edwards (undergraduate research), Ivana Gorgievska (undergraduate research), Colleen (Gilroy) Villanova (undergraduate research), Abram Vandergeest (undergraduate research).

SELECTED REFEREED PUBLICATIONS:

- Jurgenson, C. et al. *ICoNN – The Infrared Coherencing Nearest Neighbor Tracker*, 2013, Journal of Astronomical Instrumentation, in press.
 Buscher, D. F. et al. *The Conceptual Design of the Magdalena Ridge Observatory Interferometer*, 2013, Journal of Astronomical Instrumentation, in press.
 McCracken, T., et al. *Open-loop phase shifting for fast acquisition of interferograms in low light levels*, 2013, Applied Optics, 52, 20, 4922.
 Colavita, M. M. et al. *The Keck Interferometer*, 2013, Publications of the Astronomical Society of the Pacific, 125, 1226.
 Wolf, S. et al. *Circumstellar disks and planets: Science cases for next-generation optical/infrared long-baseline interferometers*, 2012, Astronomy and Astrophysics Review, 20, 52.
 Creech-Eakman, M. et al. *An Interferometrically Derived Sample of Miras with Phase using Spitzer: Paper I - A First Look*, 2012, Astronomy Review, 7, 4.
 Anderson, C. et al. *X-Ray Emission from Young Stars in the Massive Star-forming Region IRAS 20126+4104*, 2011, AJ, 142, 158.

- Colavita, M. M. et al. *Keck Interferometer Nuller Data Reduction and On-Sky Performance*, 2009, PASP, 121, 1120.
- ten Brummelaar, T., Creech-Eakman, M. J. & Monnier, J. *Probing stars with optical and near-infrared interferometry*, 2009, Physics Today, 62, 28.
- Stencel, R. E., Creech-Eakman, M. J., Hart, A., et al. *Interferometric Studies of the Extreme Binary Epsilon Aurigae: Pre-Eclipse Observations*, 2008, ApJL, 689, 137.
- van Belle, G. T., Creech-Eakman, M. J. and Hart, A. *Supergiant Temperatures and Linear Radii from Near-Infrared Interferometry*, 2009, MNRAS, 394, 1925.
- Barry, R. K., Danchi, W., Traub, W., et al., *Milliarcsecond N-Band Observations of the Nova RS Ophiuchi: First Science with the Keck Interferometer Nuller*, 2008, ApJ, 677, 1253.
- van Belle, G. T., van Belle, G., Creech-Eakman, M. J., et al., *The Palomar Testbed Interferometer Calibrator Catalog*, 2008, ApJS, 176, 276.
- Villanova, C. & Creech-Eakman, M. J., *Looking for Correlations between Dust Events and Weather at Observatories*, 2007, PASP, 119, 1179.
- Millan-Gabet, R., et al., *Keck Interferometer Observations of FU Orionis Objects*, 2006, ApJ, 641, 547.
- Mennesson, B. Koresko, C., Creech-Eakman, M. J., et al., *The Dusty AGB Star RS CrB: First Mid-Infrared Interferometric Observations with the Keck Telescopes*, 2005, ApJ, 634, 169L.
- Creech-Eakman, M. J., Orton, G. S., Serabyn, E. & Hayward, T. L., *Mid-Infrared Detection of the L Dwarf DENIS 0255-4700*, 2004, ApJ, 602, 129L.
- Swain, M. et al. *Interferometer Observations of Subparsec-Scale Infrared Emission in the Nucleus of NGC 4151*, 2003, ApJ, 596, 163L.
- Colavita, M. et al. *Observations of DG Tauri with the Keck Interferometer*, 2003, ApJ, 592, 83L.
- Thompson, R. R., Creech-Eakman, M. J. & van Belle, G. T., *Multi-Epoch Interferometric Study of Mira Variables I. Narrowband diameters of RZ Peg and S Lac*, 2002, ApJ, 577, 447.
- van Belle, G. T, Thompson, R. R. & Creech-Eakman, M. J., *Angular Size Measurements of Mira Variables at 2.2 μm II*. 2002, AJ, 124, 1706.
- Lane, B. F., Creech-Eakman, M. J. & Nordgren, T. E., *Long Baseline Interferometric Observations of Cepheids*, 2002, ApJ, 573, 330.
- Creech-Eakman, M. J., Chiang, E. I., Joungh, R. M. K., Blake, G. A. & van Dishoeck, E. F., *ISO LWS Spectra of T Tauri and Herbig AeBe Stars*, 2002, A&A, 385, 546.
- Thompson, R. R., Creech-Eakman, M. J. & Akeson, R. L., *Time-dependent Asymmetries in the Atmosphere of the Mira variable R Tri through IR Interferometry*, 2001, ApJ, 570, 373.
- Akeson, R. L., Ciardi, D. R., van Belle, G. T., & Creech-Eakman, M. J., *Constraints on Circumstellar Disk Parameters from multi-wavelength observations: T Tau and SU Aur*, 2002, ApJ, 566, 1124.
- Oppenheimer, B. R., Golimowski, D. A., Kulkarni, S. R., Matthews, K., Nakajima, T., Creech-Eakman, M. J. & Durrance, S. T., *Coronagraphic Survey for Companions of Stars within 8 pc*, 2001, AJ, 121, 2189.
- Chiang, E. I., Joungh, M. K., Creech-Eakman, M. J., Qi, C., Kessler, J. E., Blake, G. A. & van Dishoeck, E. F., *Spectral Energy Distributions of Passive T Tauri and Herbig Ae Disks: Grain Mineralogy, Parameter Dependences, and Comparison with Infrared Space Observatory LWS Observations*, 2001, ApJ, 547, 1077.
- Akeson, R. L., Ciardi, D. R., van Belle, G. T., Creech-Eakman, M. J. & Lada, E. A., *Infrared Interferometric Observations of Young Stellar Objects*, 2000, ApJ, 543, 313.
- Lane, B.F., Kuchner, M. J., Boden, A. F., Creech-Eakman, M. J. & Kulkarni, S.R., *Direct Detection of pulsations of the Cepheid star ζ Gem and an independent calibration of the period-luminosity relation*, 2000, Nature, 407, 485.

Boden, A. F., Creech-Eakman, M. J., & Queloz, D., *The Visual Orbit and Evolutionary State of 12 Bootes*, 2000, ApJ, 536, 880.

Creech-Eakman, M. J., Kulkarni, S. R., Pan, X. P. & Shaklan, S. B., *Photometric Measurements of the Fields of More Than 700 Nearby Stars*, 1999, AJ, 118, 2483.

Boden, A. F., Lane, B. F., Creech-Eakman, M. J., et al. (PTI Collaboration), *The Visual Orbit of 64 Piscium*, 1999, ApJ, 527, 360.

Creech-Eakman, M. J., Stencel, R. E., Williams, W. J. & Klebe, D. I., *Silicate Feature Variation in LPV Stars I. Initial Observations*, 1997, ApJ, 477, 825

Creech-Eakman, M. J., *Silicate Feature Variation in Long Period Variable Stars*, University of Denver, Doctoral Dissertation, 1997.

SELECTED CONFERENCE PAPERS AND PRESENTATIONS:

- Santoro, F. et al. *Mechanical Design of NESSI: New Mexico Tech Extrasolar Spectroscopic Survey Instrument*, 2012, SPIE, in “Ground-based and Airborne Instrumentation for Astronomy IV,” 8446, 84469GS.
- Creech-Eakman, M. J. et al. *NESSI: an optimized near-infrared (NIR) Multi-Object Spectrograph (MOS) for exoplanet studies*, 2012, SPIE, in “Ground-based and Airborne Instrumentation for Astronomy IV,” 8446, 84467YC.
- Young, J. et al. *The MROI’s capabilities for imaging geosynchronous satellites*, 2012, SPIE, in “Optical and Infrared Interferometry III,” 8445, 84452NY.
- Creech-Eakman, M. J. et al. *The Magdalena Ridge Observatory Interferometer: a status update*, in “Optical and Infrared Interferometry III,” 8445, 84450PC.
- Jurgenson, C. et al. *NESSI: The New Mexico Tech Extrasolar Spectroscopic Survey Instrument*, (contributed talk), 2010, SPIE, in “Ground-based and Airborne Instrumentation for Astronomy III”, ed. by McLean, Ramsay & Takami, 7735, 773519.
- Creech-Eakman, M. J. et al. *Imaging Simulations of Selected Science with the Magdalena Ridge Observatory Interferometer*, 2010, SPIE, in “Optical and Infrared Interferometry II”, ed. by Danchi, Delplancke & Rajagopal, 7734, 7734-3D7.
- Creech-Eakman, M. J., et al. *Magdalena Ridge Observatory Interferometer: advancing to first light and new science*, (invited talk), 2010, SPIE, in “Optical and Infrared Interferometry II”, ed. by Danchi, Delplancke & Rajagopal, 7734, 7734.06.
- Creech-Eakman, M. J., Jurgenson, C., Vaisht, G., Swain, M., Boston, P. and Santoro, F. *The New Mexico Tech Extrasolar Spectroscopic Survey Instrument (NESSI)*, (contributed talk), 2010, American Astronomical Society Meeting, 215, 387.04.
- Creech-Eakman, M. J. et al. *Multiwavelength Study of Pulsation and Dust Production in Mira Variables using Optical Interferometry for Constraints*, (contributed speaker), 2009, AIP Conference Proceedings, in “Stellar Pulsation: Challenges for Theory and Observations”, 1170, 137.
- Creech-Eakman, M. J. et al. *Magdalena Ridge Observatory Interferometer: progress toward first light*, (invited speaker), 2008, SPIE, Optical and Infrared Interferometry, ed. by Scholler, Danchi and Delplancke, 7013.
- Creech-Eakman, M. J. & Thompson, R. R., *Interferometric Studies of a Statistical Sample of Mira Variables*, (keynote speaker), 2007, in “The Biggest, Baddest, Coolest Stars Conference”, to be published by ASP, ed. Luttermoser, Smith and Stencel, 2009, 149.
- Creech-Eakman, M. J., Bakker, E. J., Buscher, D. F., & 8 coauthors, *Magdalena Ridge Observatory Interferometer: status update*, 2006, SPIE Vol. 6268, in “Advances in Stellar Interferometry”, ed. by J. Monnier, M. Scholler & W. Danchi.
- Jurgenson, C. A., Buscher, D. F., Creech-Eakman, M. J. & 6 co-authors, *MROI’s automated alignment system*, 2006, SPIE Vol. 6268, in “Advances in Stellar Interferometry”, ed. by J. Monnier, M. Scholler & W. Danchi.
- Parameswariah, C., Bakker, E., Buscher, D., Coleman, T., Creech-Eakman, M., Haniff, C., Jurgenson, C., Klinglesmith, D. & Young, J., *Engineering overview of the conceptual design and hardware/software implementation proposed for the Magdalena Ridge Observatory Interferometer*, 2006, SPIE Vol. 6268, in “Advances in Stellar Interferometry”, ed. by J. Monnier, M. Scholler & W. Danchi.
- Baron, F., Buscher, D. F., Coyne, J., Creech-Eakman, M. J., Haniff, C. A., Jurgenson, C. A. & Young, J. S., *Beam combiner studies for the Magdalena Ridge Observatory Interferometer*, 2006, SPIE Vol. 6268, in “Advances in Stellar Interferometry”, ed. by J. Monnier, M. Scholler & W. Danchi.

Mennesson, B., Akeson, R., Appleby, E., Bell, J. Booth, A., Colavita, M., Crawford, S., Creech-Eakman, M. J., & 32 co-authors, *Long Baseline Nulling Interferometry with the Keck Telescopes: A Progress Report*, in *Direct Imaging of Exoplanets: Science and Techniques*, 2006, Proc. of IAU Coll. # 200, ed. by C. Aime & F. Vakili, Cambridge Univ. Press, p. 227.

Serabyn, E. et al., *The Keck Interferometer Nuller (KIN): configuration, measurement approach, and first results*, 2005, SPIE Vol. 5905, in “Cryogenic and Optical Systems and Instruments XI”, p. 272.

Jacobs, D. C. et al. *A New Instrument for Measuring Atmospheric Turbulence*, 2004, SPIE Vol. 5491, in “New Frontiers in Stellar Interferometry”, ed. W. Traub, p. 1290.

Klinglesmith, D. A. et al. *Astronomical Site Monitoring System for the Magdalena Ridge Observatory*, 2004, SPIE Vol. 5491, in “New Frontiers in Stellar Interferometry”, ed. W. Traub, p. 1301.

Creech-Eakman, M. J., et al. *The Magdalena Ridge Observatory Interferometer: A Fully Optimized Aperture Synthesis Array for Imaging* (invited speaker), 2004, SPIE Vol. 5491, in “New Frontiers in Stellar Interferometry”, ed. by W. Traub, p. 405.

Serabyn, E. et al. *The Keck interferometer nuller: system architecture and laboratory performance*, 2004, SPIE Vol. 5491, in “New Frontiers in Stellar Interferometry”, ed. by W. Traub, p. 806.

Creech-Eakman, M. J., *Science Results and Future Prospects for Optical/Infrared Interferometry*, (invited speaker), 2004, NRAO Synthesis Imaging Summer School lectures, NMT.

Creech-Eakman, M. J. *Stellar Interferometry of Variable Stars - Lessons Learned and New Directions*, (invited speaker), 2004, AAS, #85.03.

Creech-Eakman, M. J. *MRO Interferometer*, (invited attendee), 2004, in “Building the System from the Ground Up: 2nd Community Workshop on the Ground-Based Optical/Infrared System”, Arlington, VA.

Creech-Eakman, M. J., *Interferometric Calibration*, (invited speaker), 2003, Michelson Summer School lectures, Caltech.

Creech-Eakman, M. J. & Thompson, R. R., *Infrared Interferometry of Mira Variables using PTI*, 2003, Leiden, Netherlands contributed talk in “Future Directions in AGB Research.”

Creech-Eakman, M. J., Moore, J., Palmer, D. L. & Serabyn, E., *KALI Camera - Mid-Infrared camera for the Keck Interferometer Nuller*, SPIE Proceedings Vol. 4841, *Instrument Design and Performance for Optical/Infrared Ground-Based Telescopes*, 2003.

Creech-Eakman, M. J., Leonard, T. A., Geis, J. M. & Serabyn, E., *Comparison of commercially available polarizing gratings for mid-infrared studies*, SPIE Proceedings Vol. 4843, *Polarimetry in Astronomy*, 2003, 510.

Koresko, C., Mennesson, B., Crawford, S. Creech-Eakman, M. J., Wallace, J. K. & Serabyn, E., *A table-top mid-infrared nulling testbed for the Keck Interferometer and Terrestrial Planet Finder*, 2003, SPIE Proceedings Vol. 4838, *Interferometry for Optical Astronomy II*, 680.

Thompson, R. R., Creech-Eakman, M. J. & van Belle, G. T., *Results of PTI's studies of the spectral angular diameters of Mira variables*, 2003, SPIE Proceedings Vol. 4838, *Interferometry for Optical Astronomy II*.

Mennesson, B. et al., *Laboratory Performance of the Keck Interferometer Nulling Beam Combiner*, 2003, “Proceedings of the Conference on Towards Other Earths: DARWIN/TPF and the Search for Extrasolar Terrestrial Planets”, 22-25 April 2003, Heidelberg, Germany, ed. by M. Fridlund, T. Henning & H. Lacoste, ESA Publication Division.

Creech-Eakman, M. J., Orton, G. S., Serabyn, E. & Hayward, T. L., *Mid-Infrared Measurements of DENIS0255-4700*, 2003, IAU Symposium 211, *Brown Dwarfs*.

Creech-Eakman, M. J., *Data Reduction and Calibration & Nulling Interferometry* (invited speaker), 2002, Michelson Summer School Lectures, Harvard-CfA.

Creech-Eakman, M. J. & Thompson, R. R., *Pulsation Modes of Mira Variables investigated using NIR Interferometry*, 2001, in *Twelfth Cambridge Workshop on Cool Stars, Stellar Systems and the Sun*.

van Dishoeck, E. F. et al., *ISO Spectroscopy of Young Stellar Objects*, in *The Universe as Seen by ISO*. Ed. by P. Cox & M. F. Kessler, ESA-SP 427, March, 1999.

Creech-Eakman, M. J. & Stencel, R. E., *Mid-Infrared Silicate Variation in Long-Period, Oxygen-Rich Variable Stars*, (Turkey, 1996), 2000, in *Carbon Star Phenomenon IAU Symposium #177*, ed. by R. F. Wing, Kluwer, Dordrecht, 527.

Creech-Eakman, M. J. & Stencel, R. E., *ISO-SWS Spectral Variations of Oxygen-Rich Miras*, Sept. 1999, in *IAU Colloquium 191, AGB Stars*, ASP Conference Series, ed. by T. Le Bertre, A. Lebre, & C. Waelkens.

Creech-Eakman, M. J., & Stencel, R. E., *Variation of Silicate Dust Features with Phase: Mid-IR Monitoring of Oxygen-Rich Mira Variable Stars*, in *Dust and Molecules in Evolved Stars 1997*, Ap&SS, 251, 157.

Creech-Eakman, M. J., Klebe, D. I., Stencel, R. E., & Williams, W. J., *TGIRS - A Two Grating (mid) Infrared Spectrometer*, SPIE Proceedings Vol. 2814, *Cryogenic Optical Systems and Instruments VII*, 1996.

POSTERS (last updated 2008):

Festler, P., Creech-Eakman, M. & Bakker, E., *LoCal Star: An MROI Calibrator Star Locator Program*, 2007, AAS, #211.13213.

Sullivan, S. & Creech-Eakman, M., *An Extended Coronagraphic Survey of Nearby Stars*, 2007, AAS, #211.10312.

Anderson, C., Hofner, P. & Creech-Eakman, M. *CHANDRA Observations of IRAS 210126+4104*, 2007, AAS, #211.6209.

Creech-Eakman, M. & the MRO Interferometer Team *The Magdalena Ridge Observatory Interferometer: Progress Towards First Light and Science*, 2007, AAS, #211.5721.

Hart, A., Jurgenson, C., Creech-Eakman, M., Thompson, R. & Stencel, R. *Observations of Broad Emission Lines in Wolf-Rayet Winds with Long-Baseline Interferometry*, 2007, AAS, #211.5716.

McAlister, H. A. et al. *Science Highlights from Ground-Based O/IR Interferometers*, 2007, AAS, #210.8209.

Creech-Eakman, M. J. and Magdalena Ridge Observatory Interferometer Team, *Magdalena Ridge Observatory Interferometer Science Mission and Design Requirements*, 2005, AAS, #82.14.

Villanova, C. A. & Creech-Eakman, M. J., *Looking for Correlations Between Dust Events and Weather at Observatories*, 2005, AAS, #28.02.

Swain, M. R. et al., *The Antarctic Plateau Interferometer*, 2004, AAS, #33.

Thompson, R. R. & Creech-Eakman, M. J., *Diameters of Mira Variables at PTI (1999-2004) - Evidence for asymmetries in both geometric and temporal pulsation*, 2004, AAS, #12.05.

Creech-Eakman, M. J. et al., *The Magdalena Ridge Observatory Interferometer and its Science Drivers*, 2003, AAS, #24.03.

Thompson, R. R. & Creech-Eakman, M. J., *Interferometric Observations of the Supergiant S Persei: Evidence for Axial Symmetry and the Warm Molecular Layer*, 2003, AAS, 203, #49.07.

van Belle, G. T., Ciardi, D. R., Creech-Eakman, M. J. & Thompson, R. R., *Angular Sizes for G7-M6 Giants in the NIR: Observations Compared to Model Atmospheres*, 2003, AAS, 202, #32.06.

Thompson, R. R. & Creech-Eakman, M. J., *Multi-Epoch Interferometric Study of Mira Variables II. Narrowband of R Boo*, 2002, AAS, 201, #115.07.

Wehrle, A. E. & Creech-Eakman, M. J., *Observations of the Symbiotic Star Z Andromedae with the Palomar Testbed Interferometer*, 2002, AAS, 201, #17.13.

- Creech-Eakman, M. J. & Serabyn, E., *Mid-infrared Camera for the Keck Interferometer Nuller*, 2001, AAS, 198, #63.08.
- Thompson, R. R., Creech-Eakman, M. J. & the PTI Collaboration, *Departures from spherical symmetry in Mira variables at PTI*, 2001, AAS, 198, #14.01.
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