

Appendix II. Publications

Gemini Staff Publications

Papers in Peer-Reviewed Journals:

Trujillo, Chadwick A.[2]. Detection of a Trailing (L5) Neptune Trojan. **Science**, 329:1304-. September, 2010.

Leggett, S. K.[2]. A Detailed Model Atmosphere Analysis of Cool White Dwarfs in the Sloan Digital Sky Survey. **The Astrophysical Journal Supplement**, 190:77-99. September, 2010.

Schiavon, Ricardo P.[3]. Dissecting the Red Sequence. IV. The Role of Truncation in the Two-dimensional Family of Early-type Galaxy Star Formation Histories. **The Astrophysical Journal**, 721:278-296. September, 2010.

Hayward, Thomas L.[7]; Hartung, Markus[12]. The Gemini NICI Planet-finding Campaign: Discovery of a Close Substellar Companion to the Young Debris Disk Star PZ Tel. **The Astrophysical Journal Letters**, 720:L82-L87. September, 2010.

Leggett, S. K.[1]. Properties of the T8.5 Dwarf Wolf 940 B. **The Astrophysical Journal**, 720:252-258. September, 2010.

McDermid, R. M.[16]. Formation of slowly rotating early-type galaxies via major mergers: a resolution study. **Monthly Notices of the Royal Astronomical Society**, 406:2405-2420. August, 2010.

Leggett, S. K.[4]. 47 new T dwarfs from the UKIDSS Large Area Survey. **Monthly Notices of the Royal Astronomical Society**, 406:1885-1906. August, 2010.

Hartung, M.[3]. Observations of a stationary mid-latitude cloud system on Titan. **Icarus**, 208:868-877. August, 2010.

Geballe, T. R.[2]. High-resolution 3- μ m spectra of Jupiter: Latitudinal spectral variations influenced by molecules, clouds, and haze. **Icarus**, 208:837-849. August, 2010.

McDermid, Richard M.[3]; Miller, Bryan W.[5]. The Einstein Cross: Constraint on Dark Matter from Stellar Dynamics and Gravitational Lensing. **The Astrophysical Journal**, 719:1481-1496. August, 2010.

Kleinman, S. J.[6]; Leggett, S. K.[7]. The Discovery of the Most Metal-rich White Dwarf: Composition of a Tidally Disrupted Extrasolar Dwarf Planet. **The Astrophysical Journal**, 719:803-809. August, 2010.

Hartung, Markus[2]; Hayward, Thomas L.[3]. Subsystems in Nearby Solar-type Wide Binaries. **The Astronomical Journal**, 140:510-517. August, 2010.

Kleinman, S. J.[3]; Nitta, A.[4]. New developments of the ZZ Ceti instability strip: the discovery of 11 new variables. **Monthly Notices of the Royal Astronomical Society**, 405:2561-2569. July, 2010.

Carrasco, Eleazar R.[1]. Gemini K-band NIRI Adaptive Optics Observations of massive galaxies at $1 < z < 2$. **Monthly Notices of the Royal Astronomical Society**, 405:2253-2259. July, 2010.

Geballe, Thomas R.[6]. A search for ethane on Pluto and Triton. **Icarus**, 208:412-424. July, 2010.

Hayward, T. L.[13]. Thermal structure and composition of Jupiter's Great Red Spot from high-resolution thermal imaging. **Icarus**, 208:306-328. July, 2010.

Díaz, Rubén J.[2]. The Missing Goliath's Slingshot: Massive Black Hole Recoil at M83. **The Astrophysical Journal Letters**, 717:L42-L46. July, 2010.

Geballe, T. [44]; Philipp-May, S.[48]. Interstellar OH^+ , H_2O^+ and H_3O^+ along the sight-line to G10.6-0.4. **Astronomy and Astrophysics**, 518:L110-. July, 2010.

Geballe, T. R.[17]. Strong absorption by interstellar hydrogen fluoride: Herschel/HIFI observations of the sight-line to G10.6-0.4 (W31C). **Astronomy and Astrophysics**, 518:L108-. July, 2010.

Artigau, E.[4]. Extending the Canada-France brown dwarfs survey to the near-infrared: first ultracool brown dwarfs from CFBDSIR. **Astronomy and Astrophysics**, 518:39-. July, 2010.

Leggett, S. K.[2]. The discovery of a very cool binary system. **Monthly Notices of the Royal Astronomical Society**, 404:1952-1961. June, 2010.

Laycock, Silas[1]. Exploring the Small Magellanic Cloud to the Faintest X-ray Fluxes: Source Catalog, Timing, and Spectral Analysis. **The Astrophysical Journal**, 716:1217-1240. June, 2010.

Carrasco, E. R.[1]; Gomez, P. L.[2]; Lee, H.[4]; Diaz, R.[5]; Bergmann, M.[6]; Turner, J. E. H.[7]; Miller, B. W.[8]; West, M. J.[9]. Strong Gravitational Lensing by the Super-massive cD Galaxy in Abell 3827. **The Astrophysical Journal Letters**, 715:L160-L164. June, 2010.

Hirst, P. [5]. Two types of shock in the hotspot of the giant quasar 4C74.26: a high-resolution comparison from Chandra, Gemini and MERLIN. **Monthly Notices of the Royal Astronomical Society**, 404:629-640. May, 2010.

Lee, H.[15]. An Aromatic Inventory of the Local Volume. **The Astrophysical Journal**, 715:506-540. May, 2010.

McDermid, Richard[9]; Stephens, Andrew[11]. The NGC 404 Nucleus: Star Cluster and Possible Intermediate-mass Black Hole. **The Astrophysical Journal**, 714:713-731. May, 2010.

Nitta, A.[4]. Pulsational Mapping of Calcium Across the Surface of a White Dwarf. **The Astrophysical Journal**, 714:296-308. May, 2010.

Walp, B.[3]. The Dust Surrounding W Hydrae. **The Astrophysical Journal Letters**, 712:L135-L138. April, 2010.

Kleinman, S. J.[9]. Photometric Response Functions of the Sloan Digital Sky Survey Imager. **The Astronomical Journal**, 139:1628-1648. April, 2010.

McDermid, R.[4]. Searching for evidence of energetic feedback in distant galaxies: a galaxy wide outflow in a $z \sim 2$ ultraluminous infrared galaxy. **Monthly Notices of the Royal Astronomical Society**, 402:2211-2220. March, 2010.

McDermid, Richard M.[15]. The SAURON project - XVI. On the sources of ionization for the gas in elliptical and lenticular galaxies. **Monthly Notices of the Royal Astronomical Society**, 402:2187-2210. March, 2010.

McDermid, Richard M.[15]. The SAURON project - XV. Modes of star formation in early-type galaxies and the evolution of the red sequence. **Monthly Notices of the Royal Astronomical Society**, 402:2140-2186. March, 2010.

Geballe, T. R.[3]. Constraining the Environment of CH^+ Formation with CH^+_3 Observations. **The Astrophysical Journal**, 711:1338-1342. March, 2010.

Levenson, N. A.[5]. A High Spatial Resolution Mid-Infrared Spectroscopic Study of the Nuclei and Star-Forming Regions in Luminous Infrared Galaxies. **The Astrophysical Journal**, 711:328-349. March, 2010.

Neichel, B.[5]. Simulating the physics and mass assembly of distant galaxies out to $z \sim 6$ with the E-ELT. **Monthly Notices of the Royal Astronomical Society**, 402:903-922. February, 2010.

Beck, T.[5]. Feeding versus feedback in NGC4151 probed with Gemini NIFS - II. Kinematics. **Monthly Notices of the Royal Astronomical Society**, 402:819-835. February, 2010.

Laycock, Silas[4]. DASCH Discovery of Large Amplitude ~ 10 -100 Year Variability in K Giants. **The Astrophysical Journal Letters**, 710:L77-L81. February, 2010.

Leggett, S. K.[1]. Mid-Infrared Photometry of Cold Brown Dwarfs: Diversity in Age, Mass, and Metallicity. **The Astrophysical Journal**, 710:1627-1640. February, 2010.

Nitta, Atsuko[9]. Finding the Instability Strip for Accreting Pulsating White Dwarfs from Hubble Space Telescope and Optical Observations. **The Astrophysical Journal**, 710:64-77. February, 2010.

Schiavon, Ricardo[4]. A Star in the M31 Giant Stream: The Highest Negative Stellar Velocity Known. **The Astronomical Journal**, 139:372-377. February, 2010.

Leggett, S. K.[4]. The distance to the cool T9 brown dwarf ULAS J003402.77-005206.7. **Astronomy and Astrophysics**, 511:30-. February, 2010.

Geballe, T. R.[1]. Two New and Remarkable Sightlines through the Galactic Center's Molecular Gas. **The Astrophysical Journal Letters**, 709:L70-L73. January, 2010.

Carrasco, E. R.[2]. Revisiting the Fossil Group Candidates UGC 842 and NGC 6034. **The Astronomical Journal**, 139:216-227. January, 2010.

Trancho, G.[4]. The Optical Structure of the Starburst Galaxy M82. II. Nebular Properties of the Disk and Inner Wind. **The Astrophysical Journal**, 706:1571-1587. December, 2009.

Jørgensen, Inger[13]; Roth, Kathy[14]. A Near-Infrared Excess in the Continuum of High-redshift Galaxies: A Tracer of Star Formation and Circumstellar Disks? **The Astrophysical Journal**, 706:1020-1035. December, 2009.

Trancho, Gelys[4]. New results on the ages of star clusters in region B of M82. **Astrophysics and Space Science**, 324:343-346. December, 2009.

Kleinman, S. J.[2]; Nitta, A.[3]. A hot white dwarf luminosity function from the Sloan Digital Sky Survey. **Astronomy and Astrophysics**, 508:339-344. December, 2009.

Hartung, M.[3]. Evidence for condensed-phase methane enhancement over Xanadu on Titan. **Planetary and Space Science**, 57:1586-1595. November, 2009.

McDermid, Richard M.[2]. Determination of masses of the central black holes in NGC 524 and 2549 using laser guide star adaptive optics. **Monthly Notices of the Royal Astronomical Society**, 399:1839-1857. November, 2009.

Winge, Cláudia[1]. The Gemini Spectral Library of Near-IR Late-Type Stellar Templates and Its Application for Velocity Dispersion Measurements. **The Astrophysical Journal Supplement**, 185:186-197. November, 2009.

Laycock, Silas[4]. Radial Distribution of X-Ray Point Sources Near the Galactic Center. **The Astrophysical Journal**, 706:223-237. November, 2009.

Lee, Henry[3]; Miller, Bryan W.[8]. Chemical Abundances of Seven Irregular and Three Tidal Dwarf Galaxies in the M81 Group. **The Astrophysical Journal**, 705:723-738. November, 2009.

Roth, K.[50]; Stephens, A. W.[57]. A γ -ray burst at a redshift of $z \sim 8.2$. **Nature**, 461:1254-1257. October, 2009.

McDermid, Richard M.[14]. The SAURON project - XIII. SAURON-GALEX study of early-type galaxies: the ultraviolet colour-magnitude relations and Fundamental Planes. **Monthly Notices of the Royal Astronomical Society**, 398:2028-2048. October, 2009.

McDermid, Richard M.[10]. The SAURON Project - XIV. No escape from Vesc: a global and local parameter in early-type galaxy evolution. **Monthly Notices of the Royal Astronomical Society**, 398:1835-1857. October, 2009.

Chiboucas, Kristin[1]; Jørgensen, Inger[4]. The Gemini/HST Cluster Project: Structural and Photometric Properties of Galaxies in Three $z = 0.28-0.89$ Clusters. **The Astrophysical Journal Supplement**, 184:271-287. October, 2009.

Papers in Non-Refereed Publications:

Stephens, A.[86]. VISTA Variables in the Vía Láctea (VVV): Current Status and First Results. **The Messenger**, 141:24-28. September, 2010.

Rippa, Mathew J.[1]; Soto, Jose[2]; Sheehan, Mike[3]; Perez, Gabriel[5]; James, Eric[6]; Wyman, Robert[7]; Nakayama, Cooper[8]; Yamasaki, Chris[9]. Upgrading the Gemini Secondary Mirror Micro-controller. **Proc. SPIE 7740**:125-. July, 2010.

Núñez, Arturo[1]; Walker, Shane[2]; Goodsell, Stephen[3]. Experience with a New Approach for Instrument Software at Gemini. **Proc. SPIE 7740**:59-. July, 2010.

Walker, Shane[2]. An Observation Execution System for Next-Generation Large Telescopes. **Proc. SPIE 7740**:23-. July, 2010.

Schiavon, Ricardo[12]. Development of a Large Mosaic Volume Phase Holographic (VPH) Grating for APOGEE. **Proc. SPIE 7739**:32-. July, 2010.

Archambeau, Jon[1]. Changes and improvements to the Gemini North Aircraft Avoidance Program at the Gemini North Laser Guide Star facility on Mauna Kea. **Proc. SPIE 7737**:59-. July, 2010.

Ebbers, Angelic W.[1]; Urrutia, Cristian[2]; Cumming, Tom[3]; Gigoux, Pedro[4]. Software Operations Support at Gemini Observatory. **Proc. SPIE 7737**:50-. July, 2010.

Labrie, Kathleen[1]; Allen, Craig[2]; Hirst, Paul[3]; Holt, Jennifer[4]; Allen, River[5]; Dement, Kaniela [6]. The Gemini Recipe System: a Dynamic Workflow for Automated Data Reduction. **Proc. SPIE 7737**:45-. July, 2010.

Radomski, James[1]; Tranco, Gelys[2]; Fuhrman, Lucas[3]; Gigoux, Pedro[5]; Montes, Vanessa[6]; Daruich, Felipe[7]; Lazo, Manuel[8]. The GPS Water Vapor Monitor and Thermal Astronomy at Gemini South. **Proc. SPIE 7737**:43-. July, 2010.

Roth, Katherine C.[1]; Carrasco, E. Rodrigo[2]; Miller, Bryan W.[3]; Stephens, Andrew W.[4]; Jørgensen, Inger[5]; Rodgers, Bernadette[6]. Managing Target of Opportunity (Too) Observations in Queue Mode at Gemini Observatory. **Proc. SPIE 7737**:15-. July, 2010.

Jorgensen, Inger[1]; Rodgers, Bernadette[2]; Crabtree, Dennis R.[3]. Gemini Observatory: Five Years of Multi-Instrument Queue Operations. **Proc. SPIE 7737**:12-. July, 2010.

Christou, Julian C.[3]. Laser operations at the 8-10m class telescopes Gemini, Keck, and the VLT: Lessons Learned, Old and New Challenges. **Proc. SPIE 7737**:6-. July, 2010.

Matulonis, Anthony C.[1]. Laser Guide Star operations at the Gemini North Telescope. **Proc. SPIE 7737**:5-. July, 2010.

McDermid, Richard M.[1]; Trujillo, Chadwick[4]; Christou, Julian[5]. Weighing Black Holes Using Open-Loop Focus Corrections for LGS-AO Observations Of Galaxy Nuclei at Gemini Observatory. **Proc. SPIE 7736**:196-. July, 2010.

Christou, Julian[3]; Hartung, Markus[4]. Application of Wavelength Diversity for Astronomical Adaptive Optics Imaging. **Proc. SPIE 7736**:194-. July, 2010.

Coulson, Dolores M.[1]. Gemini North r' Band Imaging of the Keck II Laser. **Proc. SPIE 7736**:170-. July, 2010.

Oram, Richard J.[1]; Fesquet, Vincent[2]; Wyman, Robert[3]; D'Orgeville, Celine[4]. Gemini North Laser Guide Star System: Operations and Maintenance Review. **Proc. SPIE 7736**:166-. July, 2010.

Rigaut, Francois[10]. Modeling the Adaptive Optics Systems on the Giant Magellan Telescope. **Proc. SPIE 7736**:136-. July, 2010.

Hartung, Markus[1]; Hayward, Tom L.[2]. Maintenance and Operation of the Adaptive Optics Module for NICI, the High-Contrast Coronagraphic Imager of GEMINI Observatory. **Proc. SPIE 7736**:86-. July, 2010.

Rigaut, F.[1]; Neichel, B.[2]; Bec, M.[3]. MYST: a comprehensive High-Level AO Control Tool for GeMS. **Proc. SPIE 7736**:83-. July, 2010.

D'Orgeville, Céline[11]; Fesquet, Vincent[12]; Oram, Richard[13]. System Overview of 30 W and 55 W Sodium Guide Star Laser Systems. **Proc. SPIE 7736**:65-. July, 2010.

Christou, Julian C.[1]; Neichel, Benoit[2]; Rigaut, Francois[3]; Sheehan, Michael[4]; McDermid, Richard M.[5]; Trancho, Gelys[6]; Trujillo, Chadwick[7]; Walls, Brian[8]. ALTAIR Performance and Updates at Gemini North. **Proc. SPIE 7736**:59-. July, 2010.

Hartung, Markus[8]; Hayward, Thomas L.[9]. The Gemini NICI Planet-Finding Campaign. **Proc. SPIE 7736**:53-. July, 2010.

Christou, Julian C.[3]. Novel Multi-frame Approach to Photometry of Exoplanets. **Proc. SPIE 7736**:50-. July, 2010.

Christou, Julian[2]. Adaptive Optics Point Spread Function Reconstruction: Lessons Learned from On-Sky Experiment on Altair/Gemini and Pathway for Future Systems. **Proc. SPIE 7736**:48-. July, 2010.

Neichel, B.[4]. Tomographic Control for Wide Field AO Systems on Extremely Large Telescopes. **Proc. SPIE 7736**:16-. July, 2010.

Neichel, B.[1]; Rigaut, F.[2]; Bec, M.[3]; Boccas, M.[4]; Daruich, F.[5]; D'Orgeville, C.[6]; Fesquet, V.[7]; Galvez, R.[8]; Garcia-Rissmann, A.[9]; Gausachs, G.[10]; Perez, G.[12]; Trancho, G.[13]; Upadhyaya, V.[14]; Vucina, T.[15]. The Gemini MCAO System GeMS: Nearing the End of a Lab-Story. **Proc. SPIE 7736**:4-. July, 2010.

Roth, Katherine C.[1]; Kleinman, Scot J.[2]; Carrasco, E. Rodrigo[3]. Upgraded GMOS-N Science Detectors: Schedule and Commissioning Plans. **Proc. SPIE 7735**:260-. July, 2010.

Gausachs, Gaston[1]; Bec, Matthieu[2]; Galvez, Ramon[3]; Cavedoni, Chas[4]; Vergara, Vicente[5]; Diaz, Herman[6]. Design And Implementation of an Improved Chilled Water Glycol System for GeMS: CANOPUS Thermal Enclosures. **Proc. SPIE 7735**:209-. July, 2010.

Schiavon, Ricardo[10]. APOGEE Fiber Development and FRD Testing. **Proc. SPIE 7735**:207-. July, 2010.

Schiavon, Ricardo[8]. APOGEE Cryostat Design. **Proc. SPIE 7735**:206-. July, 2010.

Edwards, Michelle L.[5]. Fast Photometry Mode Possibilities for the Canarias Infrared Camera Experiment (CIRCE). **Proc. SPIE 7735**:199-. July, 2010.

Levenson, N.[14]. The Science Drivers for a Mid-Infrared Instrument for the TMT. **Proc. SPIE 7735**:187-. July, 2010.

Wyman, Robert T.[1]; Tranco, Gelys[2]. A new MOS Mask Cutter Facility at Gemini/Cerro Tololo Observatories. **Proc. SPIE 7735**:175-. July, 2010.

Schiavon, Ricardo[5]. The Apache Point Observatory Galactic Evolution Experiment (APOGEE) High-resolution Near-infrared Multi-object Fiber Spectrograph. **Proc. SPIE 7735**:46-. July, 2010.

Tollestrup, Eric V.[1]. Gemini Observatory Instrumentation: a Review of the Past, Present, and Future on Our 10th Anniversary. **Proc. SPIE 7735**:4-. July, 2010.

Laycock, Silas[6]. Chandra Multi-wavelength Plane Survey towards the Galactic Center. **AIP Conf. Proc. 1248**:249-250. July, 2010.

Hanna, Kevin[9]. Characterization of Deep-depletion Hamamatsu CCDs for the Gemini Multi-object Spectrograph. **Proc. SPIE 7742**:15-. July, 2010.

Sheehan, Michael[1]. A High-Speed Data Acquisition System to Measure Telescope Response to Earthquake-Induced Ground Motion. **Proc. SPIE 7738**:54-. July, 2010.

Geballe, Thomas R.[3]. Comparing the Ortho-To Ratios of H₂ and H₃⁺ in Diffuse Interstellar Clouds. **International Symposium on Molecular Spectroscopy**. June, 2010.

Geballe, T. R.[3]. Linear Analysis of Infrared CO Spectra. **International Symposium on Molecular Spectroscopy**. June, 2010.

Geballe, T. R.[2]. Two Sightlines toward the Galactic Center with Remarkable H₃⁺ and CO Spectra. **International Symposium on Molecular Spectroscopy**. June, 2010.

Geballe, Thomas R.[5]. Constraining the Flux of Low-Energy Cosmic Rays Accelerated by the Supernova Remnant IC 443. **International Symposium on Molecular Spectroscopy**. June, 2010.

McDermid, R. M.[16]. Formation of Slowly Rotating Elliptical Galaxies in Major Mergers. A Resolution Study. **AIP Conf. Proc. 1240**:405-406. June, 2010.

- McDermid, R. M.[15]. The ATLAS3D Project: A Paradigm Shift for Early-Type Galaxies. **AIP Conf. Proc. 1240**:335-338. June, 2010.
- McDermid, Richard[9]; Stephens, Andrew[11]. Nuclear Star Clusters & Black Holes. **AIP Conf. Proc. 1240**:227-230. June, 2010.
- McDermid, Richard M.[2]. Measuring the Low Mass End of the $M-\sigma$ Relation. **AIP Conf. Proc. 1240**:215-218. June, 2010.
- McDermid, Richard M.[2]. Testing Mass Determinations of Supermassive Black Holes via Stellar Kinematics. **AIP Conf. Proc. 1240**:211-214. June, 2010.
- Gomez, P. L.[2]. The Abell 1882 Supergroup: Star-formation And Agn Activity at The Moment of Collapse. **Bull. AAS 41**:829. May, 2010.
- Fritz, Alexander[1]; Hoenig, Michael D.[2]; Schiavon, Ricardo P.[3]. Stellar Populations of the Most Massive Galaxies. **IAU Symp. 267**:459-459. May, 2010.
- Garcia Rissmann, Aurea[2]. Fe II Emission in the NLS1 galaxy I Zw 1: Results from NIR Spectroscopy. **IAU Symp. 267**:136-136. May, 2010.
- Garcia-Rissmann, A.[4]. The AGN Properties of the Starburst Galaxy NGC 7582. **IAU Symp. 267**:134-134. May, 2010.
- Radomski, J. T.[6]; Fisher, R. S.[8]. The Infrared Nuclear Emission of Seyfert Galaxies on Parsec Scales: Testing the Clumpy Torus Models. **IAU Symp. 267**:132-132. May, 2010.
- Díaz, Rubén J.[2]. The Ying and Yang of the M 83 Nucleus. **IAU Symp. 267**:121-121. May, 2010.
- Schiavon, Ricardo P.[1]. The Apache Point Observatory Galactic Evolution Experiment (APOGEE). **IAU Symp. 262**:428-429. April, 2010.
- Garcia-Rissmann, A.[4]. The stellar populations of the AGN/Starburst galaxy NGC7582. **IAU Symp. 262**:416-417. April, 2010.
- Fritz, Alexander[1]; Jørgensen, Inger[2]; Schiavon, Ricardo P.[3]. Mass dependent Evolution of Field Early-Type Galaxies Since $z=1$. **IAU Symp. 262**:335-336. April, 2010.
- Schiavon, Ricardo R.[4]. The Apache Point Observatory Galactic Evolution Experiment (APOGEE) in Sloan Digital Sky Survey III (SDSS-III). **IAU Symp. 265**:480-481. March, 2010.
- Laycock, S.[7]. ChaMPlane II: Near-Infrared Survey of Highly Extincted Regions along the Galactic Plane. **Bull. AAS 41**:734. February, 2010.
- Laycock, Silas[1]. Exploring the Small Magellanic Cloud to the Faintest X-ray Fluxes. **Bull. AAS 41**:733. February, 2010.
- Laycock, S. [6]. ChaMPlane Galactic Bulge Latitude Survey: Optical Results. **Bull. AAS 41**:731. February, 2010.

Laycock, S.[2]. Chandra Bulge Latitude Survey (BLS): Near-infrared follow-up campaign. **Bull. AAS 41:730**. February, 2010.

Gomez, Percy L.[1]. X-ray and Optical Analysis of the Abell 1882 Super Group of Galaxies. **Bull. AAS 41:711**. February, 2010.

Geballe, T.[7]. Numerical Simulations of Double White Dwarf Mergers. **American Bull. AAS 41:690**. February, 2010.

Roth, Katherine[1]; Stephens, A. W.[2]; Trujillo, C. A.[3]; McDermid, R. M.[4]; Walls, B. D.[6]; Coulson, D. M.[7]; Matulonis, A. C.[8]; Ball, J. G.[9]. Observations Of The LCROSS Impact With NIFS On The Gemini North Telescope. **Bull. AAS 36:1129**. January, 2010.

Fisher, R. Scott[1]; Michaud, P. D.[2]. A Virtual Field Trip to the Gemini Observatory. **Bull. AAS 36:1118**. January, 2010.

Christensen, E.[9]. Discoveries from the Catalina Real-time Transient Survey. **Bull. AAS 42:515**. January, 2010.

Michaud, Peter D.[1]; Harvey, J.[4]; Garcia, A.[5]. Integrating the GalileoScope into Successful Outreach Programming. **Bull. AAS 36:1118**. January, 2010.

Lee, H.[7]. Analysis of Optical Imaging from the Local Volume Legacy Survey. **Bull. AAS 42:481**. January, 2010.

Miller, B.[2]; Trancho, G.[3]. GMOS Calibration to the Lick Index System. **Bull. AAS 42:476**. January, 2010.

Edwards, Michelle L.[1]. A Near-Infrared Narrow-band Imaging Survey for Massive Stars in Cl 1806-20. **Bull. AAS 42:473**. January, 2010.

Hartung, M.[7]; Hayward, T.[8]. The Gemini NICI Planet-Finding Campaign: Deep Imaging of Stars in the Solar Neighborhood. **Bull. AAS 42:457**. January, 2010.

Hartung, M.[7]; Hayward, T.[8]. The Gemini NICI Planet-Finding Campaign: A Direct Imaging Search for Planets around Beta Pictoris and TW Hydra. **Bull. AAS 42:457**. January, 2010.

Hartung, M.[7]; Hayward, T.[8]. The Gemini NICI Planet-Finding Campaign. **Bull. AAS 42:457**. January, 2010.

Harvey, J.[2]. The Mauna Kea Observatories Outreach Committee brings Astronomy to the Hawaiian Public. **Bull. AAS 42:410**. January, 2010.

Rodgers, Bernadette[1]; Jorgensen, I.[2]; Barker, N.[3]; Edwards, M.[4]; Trancho, G.[5]. Women Astronomers at Gemini: A Success Story. **Bull. AAS 42:409**. January, 2010.

Rodgers, Bernadette[1]. Energy, the Environment and Astronomy: Education and Action. **Bull. AAS 42:408**. January, 2010.

- Gomez, P. L.[30]; Diaz, R. J.[31]; Bergmann, M. P.[32]. The FLAMINGOS-2 On-Sky Performance. **Bull. AAS 42:400**. January, 2010.
- Rodgers, B.[4]. Orbital Solutions for Two Young, Low-Mass Spectroscopic Binaries in Ophiuchus. **Bull. AAS 42:354**. January, 2010.
- Stephens, A. W.[2]. On the Origin of M31's 10 kpc Ring. **Bull. AAS 42:340**. January, 2010.
- Peshev, Peter[1]. Mid-IR Photometry of Multiple Stellar Populations LMC Star Clusters. **Bull. AAS 42:340**. January, 2010.
- Laycock, Silas[1]. X-ray Binaries in the Nearby Starburst Galaxy IC 10: A New Lab for Astrophysics. **Bull. AAS 42:276**. January, 2010.
- Geballe, T. R.[2]. Using CH_3^+ Observations to Constrain the Environment of CH^+ Formation. **Bull. AAS 42:261**. January, 2010.
- Mason, R.[4]; Levenson, N.[5]; Radomski, J.[6]. Results of Spectroscopic Observations of Cygnus A. **Bull. AAS 42:243**. January, 2010.
- Levenson, N.[2]; Radomski, J.[4]; Mason, R.[8]. IR And X-ray Tests Of The Clumpy Torus Models Of AGN. **Bull. AAS 42:242**. January, 2010.
- Laycock, S. [6]. Chandra Multi-wavelength Plane Survey: 10 Year Later. **Bull. AAS 42:561**. January, 2010.
- McDermid, R. M.[10]. The Role of Vesc in Early Type Galaxy Evolution. **Bull. AAS 42:551**. January, 2010.
- Gomez, Percy L.[1]. Dynamical Analysis of the Abell 1882 Super Group of Galaxies. **Bull. AAS 42:533**. January, 2010.
- Schiavon, Ricardo P.[1]. The Metallicities, and Abundance Patterns of Old M31 Globular Clusters. **Bull. AAS 42:445**. January, 2010.
- Trancho, G.[2]. Star Formation and Galaxy Evolution In A Compact Group Environment: A Multi-wavelength Study Of Stephan's Quintet. **Bull. AAS 42:428**. January, 2010.
- Harvey, J.[2]; Michaud, P. M.[5]. The Mauna Kea Observatories Outreach Committee brings Astronomy to the Hawaiian Public **Bull. AAS 42:437**. January, 2010.
- Pu'uohau-Pummill, K. [5]. Going Beyond RGB: How to Create Color Composite Images that Convey the Science. **Bull. AAS 42:309**. January, 2010.
- Carrasco, E. R.[3]. Super Star Clusters in Hii Galaxies. **IAU Symp. 266:447-450**. January, 2010.
- Neichel, Benoit[1]. Reconstruction Strategies for GeMS. **1st AO4ELT conference - Adaptive Optics for Extremely Large Telescopes**, 2010.

Christou, Julian[9]. Suppressing stellar residual light on extremely large telescopes by aperture modulation. **1st AO4ELT conference - Adaptive Optics for Extremely Large Telescopes**, 2010.

Rigaut, Francois[1]. A Sample of GeMS Calibrations and Control Schemes. **1st AO4ELT conference - Adaptive Optics for Extremely Large Telescopes**, 2010.

Gratadour, Damien[1]. Fratricide effect on ELTs. **1st AO4ELT conference - Adaptive Optics for Extremely Large Telescopes**, 2010.

Garcia-Rissmann, Aurea[1]. SCAO Simulation Results with a Pyramid Sensor on an ELT-like Telescope. **1st AO4ELT conference - Adaptive Optics for Extremely Large Telescopes**, 2010.

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[†] Gemini's qualifying criterion is the same as that used by Hubble Space Telescope and European Southern Observatory. To qualify, papers based on their output, must employ in an original way an image, spectrum or data set produced by Gemini to derive new scientific results. No attempt is made to fractionate papers per telescope used in the case of papers based on the use of two or more other facilities. Hence, the same paper may be counted several times, for example by Gemini, Keck and Subaru, if it includes data from any of these telescopes.

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