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Education

- **Boston College** — Chestnut Hill, MA, USA
  Ph.D. in theoretical condensed-matter physics — *1998 – 2005*
- **Duquesne University** — Pittsburgh, PA, USA
  B.S. Physics — *1994 – 1998*

Employment

- **New Mexico State University** — Las Cruces, NM
  Associate Professor of Astronomy — *Aug. 2014 - present*
  Assistant Professor of Astronomy — *Aug. 2008 - Aug. 2014*
- **Max Planck Institute for Solar System Research** — Katlenburg-Lindau, Germany
  Post-doctoral fellow in astrophysics — *Sep. 2005 - Jul. 2008*
- **Boston College** — Chestnut Hill, MA
  Research assistant in condensed-matter physics — *2001 - 2005*

Professional Experience

- **Awards & Honors**
  - 2015. Millionaire Researcher Award (NMSU).
  - 2014. Tenure and promotion to Associate Professor (NMSU).
  - 2014. NSF Career award recipient.
- **Teaching** – New Mexico State University
  - ASTR 105G *The Planets* (undergraduate). F2008, S2009, S2010, S2011
  - ASTR 110G *Introduction to Astronomy* (undergraduate). S2012, F2012, S2013, F2013, S2014, F2014, S2016, F2016
  - ASTR 301V *Revolutionary Ideas in Science* (undergraduate). S2010, S2011, S2012, S2016, F2016, S2017
  - ASTR 500 *Seminar* (graduate). F2010, S2016
  - ASTR 565 *Stellar Structure and Evolution* (graduate). F2013, F2015, F2017
  - ASTR 598 *Independent Study* (graduate). S2010, S2011, S2012, F2013, F2015
  - ASTR 698 *Introduction to Solar Astrophysics* (graduate). F2009, F2011
- **Advising (research)** – NMSU (degree completed **in bold***)
  - Committee chair
    * Ethan Dederick (6/2014 – present). PhD student, Astronomy. Topic: Jovian seismology.
    * **Laura Mayorga* (6/2012 – 7/2017)**. Astronomy. PhD. Dissertation: *The Orbital and Planetary Phase Variations of Jupiter-Sized Planets: Characterizing Present and Future Giants.*
    * **Jean McKeever* (6/2011 – 9/2017)**. Astronomy. PhD. Dissertation: *Asteroseismology of Red Giants: The Detailed Modeling of Red Giants in Eclipsing Binary Systems.*
    * **Meredith Rawls (5/2012 – 6/2016)**. Astronomy. PhD. Dissertation: *Red Giants in Eclipsing Binaries as a Benchmark for Asteroseismology.*
    * **Kyle Degrave* (5/2010 – 5/2015)**. Astronomy. PhD. Dissertation: *Time-Distance Helioseismology: Testing the State-of-the-Art for Investigating the Structure of Sunspots and Supergranulation.*

    - **Michael Kirk* (8/2008 – 2/2013)**. Astronomy. PhD. Dissertation: *The Anatomy of Chromospheric Flares and Associated Ephemeral Brightenings.*
- Committee member
    - Lauren Kahre (6/2016 – present). PhD student, Astronomy. Topic: extinction mapping of galaxies
    - **Sam Schonfeld* (8/2013 – 9/2017)**. Astronomy. PhD. Dissertation: *Identifying the Sources and Variability of Solar $F_{10.7}$ Emission with Differential Emission Measures.*
    - Gordon Macdonald (8/2013 – present). PhD student, Astronomy. 2nd year. Topic: space weather
    - **Nick Ule* (10/2011 – 2/2015)**. Astronomy. PhD. Dissertation: *Quantifying Differential Rotation Across the Main Sequence.*
    - **Robert Edmonds* (8/2011 – 10/2014)**. Astronomy. PhD. Dissertation: *Examination of Two Martian Atmosphere Dust Phenomena: Dust Devil Acoustics and Gravity Wave Forcing of Dust Storm Development.*
    - **Greg Taylor* (1/2011 – 5/2014)**. Astronomy. PhD. Dissertation: *Development and Operation of a Solar Limb Adaptive Optics System.*
    - **Leland Wehland* (9/2010 – 7/2012)**. Astronomy. Masters. Thesis: *The Selection, Mounting, and Integration of an Infrared Photon-Counting APD Module for J-Band Astronomical Photometry on the NMSU High-Speed Photometer.*
- Dean's representative
    - Farzin Abadizaman (9/2017 – present). Physics. Topic: Materials physics of nickel.
    - Luis Ramirez (7/2017 – present). Economics. Topic: A Modern Analysis of the U.S. Underground Economy via the Lambda UD/US Model.
    - **Dusan Jolovic* (8/2015 – 4/2017)**. Civil Engineering. PhD. Dissertation: *Assessment of Various Crach Vehicle Types, the Related Surrogate Measures of Safety, and their Correlation with Traffic Signal Settings and Left Turn Maneuvers.*
    - Fatma Pinar Aslan (11/2014 – present). Physics. Topic: Quark Angular Momentum Distribution.
    - **Daniel Short (1/2016 – 8/2016)**. Electrical and Computer Engineering. PhD. Dissertation: *Refraction in the Lower Troposphere: Higher-Order Image Distortion Effects Due to Refractive Profile Curvature.*
    - **Jose Barraza(1/2016 – 5/2016)**. Electrical and Computer Engineering. Masters. Thesis: *Terrestrial Atmosphere Refraction: Image Displacement Observations and Analysis*
    - **Andrea Gallegos (9/2013 – 4/2016)**. Physics. PhD. Dissertation: *Attenuation of the LG Wave Across the Contiguous United States.*
    - **Son To* (9/2009 – 12/2012)**. Computer Science. PhD. Dissertation: *On belief state representation and its application in planning with incomplete information, non-deterministic actions, and sensing actions.*
    - **Dustin Balise* (2009)**. Electrical and Computer Engineering. Masters. Thesis: *Speech and audio processing using Jacket.*
- Postdoctoral
    - Patrick Gaulme (11/2011 – 10/2013). Postdoc. Topic: Stellar oscillations and Jovian seismology, binary stars, exoplanets.
    - Vigeesh Gangadharan (10/2011 – 10/2013). Postdoc. Topic: Helioseismology, magnetohydrodynamic numerical modeling of stars, atmospheric gravity waves.
- Independent research projects
    - Aleczander Herzeg (8/2017 – present). Astronomy (graduate). Topics: data systematics in helioseismology
    - Rebecca O'Sha (6/2016 – 5/2017). Astronomy (graduate). Topics: helioseismology of meridional flows
    - SDSS FASST mentor (7/2015 – 5/2017. 3 undergraduates. Topics: APOGEE spectra, binaries
    - Han Tang (6/2015 – 5/2016). Physics (undergraduate). Topics: Helioseismology of meridional flows

  - Joanna Molenda-Zakowicz (9/2014 – 7/2015). Host. University of Wroclaw (faculty). Topic: Spectroscopy of hot-star binaries
  - Daniel Hernandez (6/2014). SCCORE student. Topic: Solar image mapping for helioseismology
  - Han Tang (1/2014 – 8/2014). Physics (undergraduate). Topics: Stellar evolution modeling, helioseismology tutorial
  - Dawid Mozdzierski (4/2013 – 10/2013). Host. University of Wroclaw (graduate). Topic: B-star spectroscopy and variability
  - Mercedes Maldonado (2012 – 2013). Mechanical Engineering (undergraduate). Topic: Exoplanets
  - Rakesh Nath (8/2012 – 5/2013). Astronomy (graduate). Topic: Helioseismology
  - Amanda Towry (2012). Physics (undergraduate). Topic: Solar data collection
  - Alexander Serebryanskiy (1/2011 – 8/2011). Host. Uzbekistan Astronomical Observatory (faculty visit). Topic: Helioseismology of meridional flow
  - Alex Pevtsov (2011 – 2012). Engineering (undergraduate). Topic: Helioseismology
  - Rose Perea (2009 – 2010). Physics (graduate). Topic: Stellar oscillations
  - Son To (2009 – 2010). Computer Science (graduate). Topic: Solar database design, optimization, and implementation

- **Service and Affiliation**

University

- College of Arts & Science Scholarship Committee (appointed, 8/2015 – present)
- NMSU Fencing Team faculty adviser (6/2015 – present)
- NMSU Graduate School Transition Committee (appointed, 7/2013 – 2/2014)
- NMSU Graduate Student Council faculty adviser (5/2013 – present)
- NMSU Graduate Council member (elected, 2010 – 9/2013, 8/2014 – 8/2017). Graduate appeals committee (9/2010 – 9/2011, 9/2012 – 9/2013). Graduate faculty review committee (9/2011 – 9/2013, chair 9/2012 – 9/2013). Standards committee (9/2014 – 5/2016)
- Graduate Research & Arts Symposium (GRAS) judge: 2011, 2013
- Graduate Faculty (appointed): 6/2009 – present

Astronomy Department

- Tenure and promotion committee: F2014 - present
- Colloquium committee (chair): S2010, F2010
- Graduate committee: 9/2009 - present, Chair: 8/2015 - present
- Faculty search committee (co-chair): S2010
- Pizza lunch committee (chair): F2009, S2010, F2011 – present
- Graduate curriculum committee: S2012, F2012 – present
- Website committee: F2016 – present

Scientific community

- Member, Solar Observatories Council (SOC) of AURA: the Association of Universities for Research in Astronomy (7/2016 - present)
- Member, *Kepler* Asteroseismic Science Consortium (KASC) Working Group #8 (2010 - present)
- Stellar Observations Network Group (SONG) – U.S. Co-PI
- Journal reviewer for: *Solar Physics*, *The Astrophysical Journal*, *Astronomy and Astrophysics*, *New Astronomy*, *Icarus*, *Journal of Atmospheric and Solar-Terrestrial Physics*, *National Academies of Sciences (2017)*
- Proposal panel reviewer for: *NASA (2010, 2011, 2012, 2013, 2014)*; *National Science Foundatation (2011, 2012, 2013, 2014, 2015,2016, 2017)*
- Conference session chair: *SPD 2014*
- American Astronomical Society, Solar Physics Division Studentship Committee – member

- American Astronomical Society, Solar Physics Division – member
- American Geophysical Union – member

Community

- Session chair. *New Mexico EPSCoR Annual Meeting & Symposium*: 2013, 2015
- Judge. *Southwestern New Mexico Regional Science and Engineering Fair*: 2013
- New Mexico Academy of Science - Past President (01/2016 - 12/2016), President (01/2015 - 12/2015); President Elect (01/2014 - 12/2014); Vice President (01/2013 – 01/2014); NMAS Newsletter Editor (2013 - 2015)

- **Conference Organization**
  - 2014. *JIVE Kickoff Workshop.*
  - 2011. *4th SONG Workshop.* Charleston, SC. Scientific Organizing Committee (member).
  - 2011. *Annual American Astronomical Society Solar Physics Division (SPD) Conference.* Las Cruces, NM. Local Organizing Committee (chair), Scientific Organizing Committee (member).
  - 2010. *The Third SONG Workshop.* Beijing, China. Scientific Organizing Committee (member).
  - 2007. *HELAS II International Conference on Helioseismology, Asteroseismology, and MHD Connections.* Göttingen, Germany. Local Organizing Committee (member).

- **Press and Publicity**
  - 2014. NMSU news story[1] about JIVE project.
  - 2014. NMSU VPR Research news item.[2] (page 8)
  - 2014. NMSU Arts & Sciences Newsletter[3] story about NSF CAREER grant project.
  - 2014. *NMSU Research Rally* for NSF Career Award. Accompanying NMSU newscenter story[4] and YouTube video[5].
  - 2013. *Alien Encounters* on the Science Channel. Upcoming appearance talking about the Sun, solar activity, and space weather.
  - 2011. News regarding the annual meeting SPD meeting hosted in Las Cruces. Las Cruces Sun News[6]; NMSU press release[7], Las Cruces Bulletin.[8]
  - 2010. NMSU Research Magazine[9]: *Here comes the Sun.*
  - 2009. NMSU press release[10]: *NMSU astronomers set their eyes on the Sun for collaborative grant projects.*
  - 2009. Las Cruces Sun News[11]: *NMSU astronomers set their eyes on the Sun, hope to gain understanding of space weather.*
  - 2009. KRWG radio interview[12] for year of science.

[1] http://artsci.nmsu.edu/en/news/361/nasa-epscor-to-fund-planetary-seismology-research-
[2] http://newresearch.research.nmsu.edu/sites/newresearch/files/images/Research%20News%202014-04.pdf
[3] http://as-w03sb.nmsu.edu/asinsider/may/mayinsider.pdf
[4] http://newscenter.nmsu.edu/Articles/view/10238/professor-earns-nsf-career-grant-to-study-sun-s-magnetic-field
[5] https://www.youtube.com/watch?v=jIIvI2AZMH4
[6] http://www.lcsun-news.com/dona_ana_news/ci_18227643
[7] http://newscenter.nmsu.edu/news/article/7797/
[8] http://www.lascrucesbulletin.com/ee/lascrucesbulletin/publink.php?shareid=08f65ef4a
[9] http://researchmag.nmsu.edu/2010_SP/feature_sun.html
[10] http://newscenter.nmsu.edu/?page=article&action=show&id=4709
[11] http://www.lcsun-news.com/las_cruces-news/ci_13190775
[12] http://www.publicbroadcasting.net/krwg/news.newsmain/article/6467/0/1528481/Year.of.Science/Dr..Jason.Jackiewicz

Publication Record

Refereed publications

46. M. S. Kirk, K. S. Balasubramaniam, J. Jackiewicz, and H. R. Gilbert (2017b). "The Origin of Sequential Chromospheric Brightenings". In: *Solar Phys.* 292, 72, p. 72. DOI: 10.1007/s11207-017-1094-3. arXiv: 1704.03828 [astro-ph.SR]

45. V. G. A. Böning, M. Roth, J. Jackiewicz, and S. Kholikov (2017a). "Inversions for Deep Solar Meridional Flow Using Spherical Born Kernels". In: *Astrophys. J.* 845, 2, p. 2. DOI: 10.3847/1538-4357/aa7af0. arXiv: 1707.08803 [astro-ph.SR]

44. V. G. A. Böning, M. Roth, J. Jackiewicz, and S. Kholikov (2017b). "Validation of Spherical Born Approximation Sensitivity Functions for Measuring Deep Solar Meridional Flow". In: *Astrophys. J.* 838, 53, p. 53. DOI: 10.3847/1538-4357/aa6333. arXiv: 1703.03700 [astro-ph.SR]

43. E. Dederick and J. Jackiewicz (2017). "A Possible Mechanism for Driving Oscillations in Hot Giant Planets". In: *Astrophys. J.* 837, 148, p. 148. DOI: 10.3847/1538-4357/aa61a8. arXiv: 1702.07988 [astro-ph.EP]

42. G. Vigeesh, J. Jackiewicz, and O. Steiner (2017). "Internal Gravity Waves in the Magnetized Solar Atmosphere. I. Magnetic Field Effects". In: *Astrophys. J.* 835, 148, p. 148. DOI: 10.3847/1538-4357/835/2/148. arXiv: 1612.04729 [astro-ph.SR]

41. L. C. Mayorga, J. Jackiewicz, K. Rages, R. A. West, B. Knowles, N. Lewis, and M. S. Marley (2016). "Jupiter's Phase Variations from Cassini: A Testbed for Future Direct-imaging Missions". In: *Astronom. J.* 152, 209, p. 209. DOI: 10.3847/0004-6256/152/6/209. arXiv: 1610.07679 [astro-ph.EP]

40. P. Gaulme, J. F. Rowe, T. R. Bedding, O. Benomar, E. Corsaro, G. R. Davies, S. J. Hale, R. Howe, R. A. Garcia, D. Huber, A. Jiménez, S. Mathur, B. Mosser, T. Appourchaux, P. Boumier, J. Jackiewicz, J. Leibacher, F.-X. Schmider, H. B. Hammel, J. J. Lissauer, M. S. Marley, A. A. Simon, W. J. Chaplin, Y. Elsworth, J. A. Guzik, N. Murphy, and V. Silva Aguirre (2016). "A Distant Mirror: Solar Oscillations Observed on Neptune by the Kepler K2 Mission". In: *Astrophys. J. Lett.* 833, L13, p. L13. DOI: 10.3847/2041-8213/833/1/L13. arXiv: 1612.04287 [astro-ph.SR]

39. P. Gaulme, J. McKeever, J. Jackiewicz, M. L. Rawls, E. Corsaro, B. Mosser, J. Southworth, S. Mahadevan, C. Bender, and R. Deshpande (2016). "Testing the Asteroseismic Scaling Relations for Red Giants with Eclipsing Binaries Observed by Kepler". In: *Astrophys. J.* 832, 121, p. 121. DOI: 10.3847/0004-637X/832/2/121. arXiv: 1609.06645 [astro-ph.SR]

38. M. L. Rawls, P. Gaulme, J. McKeever, J. Jackiewicz, J. A. Orosz, E. Corsaro, P. G. Beck, B. Mosser, D. W. Latham, and C. A. Latham (2016). "KIC 9246715: The Double Red Giant Eclipsing Binary with Odd Oscillations". In: *Astrophys. J.* 818, 108, p. 108. DOI: 10.3847/0004-637X/818/2/108. arXiv: 1601.00038 [astro-ph.SR]

37. K. DeGrave and J. Jackiewicz (2015). "Helioseismic Investigation of Modeled and Observed Supergranule Structure". In: *Solar Phys.* 290, pp. 1547–1568. DOI: 10.1007/s11207-015-0693-0. arXiv: 1504.01422 [astro-ph.SR]

36. J. Jackiewicz, A. Serebryanskiy, and S. Kholikov (2015). "Meridional Flow in the Solar Convection Zone. II. Helioseismic Inversions of GONG Data". In: *Astrophys. J.* 805, 133, p. 133. DOI: 10.1088/0004-637X/805/2/133. arXiv: 1504.08071 [astro-ph.SR]

35. H. Li, J. Jackiewicz, and K. S. Bedell (2015). "Superfluid amplitude fluctuations above T_c in a unitary Fermi gas". In: *Phys. Rev. B* 91.7, 075107, p. 075107. DOI: 10.1103/PhysRevB.91.075107. arXiv: 1410.7426 [cond-mat.quant-gas]

34. P. A. Bradley, J. A. Guzik, L. F. Miles, K. Uytterhoeven, J. Jackiewicz, and K. Kinemuchi (2015). "Results of a Search for γ Dor and δ Sct Stars With the Kepler Spacecraft". In: *Astronom. J.* 149, 68, p. 68. DOI: 10.1088/0004-6256/149/2/68. arXiv: 1502.00928 [astro-ph.SR]

33. J.A. Guzik, P.A. Bradley, J. Jackiewicz, J. Molenda-Zakowicz, K. Uytterhoeven, and K. Kinemuchi (2015). "The occurrence of non-pulsating stars in the gamma Dor and delta Sct pulsation instability regions: results from Kepler quarter 14-17 data". In: Astronomical Review 10.1, pp. 1–24. DOI: 10.1080/21672857.2015.1023120. arXiv: 1502.00175

32. M. S. Kirk, K. S. Balasubramaniam, J. Jackiewicz, and R. T. J. McAteer (2014). "Qualities of Sequential Chromospheric Brightenings Observed in Hα and UV Images". In: *Astrophys. J.* 796, 78, p. 78. DOI: 10.1088/0004-637X/796/2/78. arXiv: 1411.4069 [astro-ph.SR]

31. K. DeGrave, J. Jackiewicz, and M. Rempel (2014a). "Time-distance Helioseismology of Two Realistic Sunspot Simulations". In: *Astrophys. J.* 794, 18, p. 18. DOI: 10.1088/0004-637X/794/1/18. arXiv: 1408.2262 [astro-ph.SR]

30. K. DeGrave, J. Jackiewicz, and M. Rempel (2014b). "Validating Time-Distance Helioseismology with Realistic Quiet-Sun Simulations". In: *Astrophys. J.* 788, 127, p. 127. DOI: 10.1088/0004-637X/788/2/127. arXiv: 1404.4645 [astro-ph.SR]

29. P. Gaulme, J. Jackiewicz, T. Appourchaux, and B. Mosser (2014). "Surface Activity and Oscillation Amplitudes of Red Giants in Eclipsing Binaries". In: *Astrophys. J.* 785, 5, p. 5. DOI: 10.1088/0004-637X/785/1/5. arXiv: 1402.3027 [astro-ph.SR]

28. S. Kholikov, A. Serebryanskiy, and J. Jackiewicz (2014). "Meridional Flow in the Solar Convection Zone. I. Measurements from GONG Data". In: *Astrophys. J.* 784, 145, p. 145. DOI: 10.1088/0004-637X/784/2/145. arXiv: 1403.5026 [astro-ph.SR]

27. P. Gaulme, J. McKeever, M. L. Rawls, J. Jackiewicz, B. Mosser, and J. A. Guzik (2013). "Red Giants in Eclipsing Binary and Multiple-star Systems: Modeling and Asteroseismic Analysis of 70 Candidates from Kepler Data". In: *Astrophys. J.* 767, 82, p. 82. DOI: 10.1088/0004-637X/767/1/82. arXiv: 1303.1197 [astro-ph.SR]

26. J. A. Guzik, P. A. Bradley, J. Jackiewicz, K. Uytterhoeven, and K. Kinemuchi (2013). "The Occurrence of Non-Pulsating Stars in the gamma Doradus/delta Scuti Pulsation Instability Region". In: Astronomical Review 8.4. arXiv: 1403.8013 [astro-ph.SR]

25. P. I. Pápics, A. Tkachenko, C. Aerts, M. Briquet, P. Marcos-Arenal, P. G. Beck, K. Uytterhoeven, A. Triviño Hage, J. Southworth, K. I. Clubb, S. Bloemen, P. Degroote, J. Jackiewicz, J. McKeever, H. Van Winckel, E. Niemczura, J. F. Gameiro, and J. Debosscher (2013). "Two new SB2 binaries with main sequence B-type pulsators in the Kepler field". In: *Astron. Astrophys.* 553, A127, A127. DOI: 10.1051/0004-6361/201321088. arXiv: 1304.2202 [astro-ph.SR]

24. J. Jackiewicz and K. S. Balasubramaniam (2013). "Solar Hα Oscillations from Intensity and Doppler Observations". In: *Astrophys. J.* 765, 15, p. 15. DOI: 10.1088/0004-637X/765/1/15. arXiv: 1301.2825 [astro-ph.SR]

23. K. DeGrave and J. Jackiewicz (2012). "Example inversion for a new generalized local helioseismology pipeline". In: Astronomische Nachrichten 333, p. 998. DOI: 10.1002/asna.201211788

22. J. Jackiewicz, N. Nettelmann, M. Marley, and J. Fortney (2012). "Forward and inverse modeling for jovian seismology". In: *Icarus* 220, pp. 844–854. DOI: 10.1016/j.icarus.2012.06.028. arXiv: 1206.4380 [astro-ph.EP]

21. M. S. Kirk, K. S. Balasubramaniam, J. Jackiewicz, R. T. J. McAteer, and R. O. Milligan (2012). "Properties of Sequential Chromospheric Brightenings and Associated Flare Ribbons". In: *Astrophys. J.* 750, 145, p. 145. DOI: 10.1088/0004-637X/750/2/145. arXiv: 1203.1271 [astro-ph.SR]

20. M. S. Kirk, K. S. Balasubramaniam, J. Jackiewicz, R. T. J. McAteer, and B. J. McNamara (2012). "Sequential Chomospheric Brightening: An Automated Approach to Extracting Physics from Ephemeral Brightening". In: Second ATST-EAST Meeting: Magnetic Fields from the Photosphere to the Corona. Ed. by T. R. Rimmele, A. Tritschler, F. Wöger, M. Collados Vera, H. Socas-Navarro, R. Schlichenmaier, M. Carlsson, T. Berger, A. Cadavid, P. R. Gilbert, P. R. Goode, and M. Knölker. Vol. 463. Astronomical Society of the Pacific Conference Series, p. 267. arXiv: 1203.1277 [astro-ph.SR]

19. B. J. McNamara, J. Jackiewicz, and J. McKeever (2012). "The Classification of Kepler B-star Variables". In: *Astronom. J.* 143, 101, p. 101. DOI: 10.1088/0004-6256/143/4/101. arXiv: 1202.2329 [astro-ph.SR]

18. J. Jackiewicz, A. C. Birch, L. Gizon, S. M. Hanasoge, T. Hohage, J.-B. Ruffio, and M. Švanda (2012). "Multichannel Three-Dimensional SOLA Inversion for Local Helioseismology". In: *Solar Phys.* 276, pp. 19–33. DOI: 10.1007/s11207-011-9873-8. arXiv: 1109.2712 [astro-ph.SR]

17. M. S. Kirk, K. S. Balasubramaniam, J. Jackiewicz, B. J. McNamara, and R. T. J. McAteer (2011). "An Automated Algorithm to Distinguish and Characterize Solar Flares and Associated Sequential Chromospheric Brightenings". In: *Solar Phys.* P. 345. DOI: 10.1007/s11207-011-9843-1. arXiv: 1108.1384 [astro-ph.SR]

16. K. Uytterhoeven, A. Moya, A. Grigahcène, J. A. Guzik, J. Gutiérrez-Soto, B. Smalley, G. Handler, L. A. Balona, E. Niemczura, L. Fox Machado, S. Benatti, E. Chapellier, A. Tkachenko, R. Szabó, J. C. Suárez, V. Ripepi, J. Pascual, P. Mathias, S. Martín-Ruíz, H. Lehmann, J. Jackiewicz, S. Hekker, M. Gruberbauer, R. A. García, X. Dumusque, D. Díaz-Fraile, P. Bradley, V. Antoci, M. Roth, B. Leroy, S. J. Murphy, P. De Cat, J. Cuypers, H. Kjeldsen, J. Christensen-Dalsgaard, M. Breger, A. Pigulski, L. L. Kiss, M. Still, S. E. Thompson, and J. van Cleve (2011). "The Kepler characterization of the variability among A- and F-type stars. I. General overview". In: *Astron. Astrophys.* 534, A125, A125. DOI: 10.1051/0004-6361/201117368. arXiv: 1107.0335 [astro-ph.SR]

15. H.S. Ahluwalia and J. Jackiewicz (2011). "Sunspot cycle 23 descent to an unusual minimum and forecasts for cycle 24 activity". In: Advances in Space Research. ISSN: 0273-1177. DOI: 10.1016/j.asr.2011.04.023

14. H. Moradi, C. Baldner, A. C. Birch, D. C. Braun, R. H. Cameron, T. L. Duvall, L. Gizon, D. Haber, S. M. Hanasoge, B. W. Hindman, J. Jackiewicz, E. Khomenko, R. Komm, P. Rajaguru, M. Rempel, M. Roth, R. Schlichenmaier, H. Schunker, H. C. Spruit, K. G. Strassmeier, M. J. Thompson, and S. Zharkov (2010). "Modeling the Subsurface Structure of Sunspots". In: *Solar Phys.* P. 171. DOI: 10.1007/s11207-010-9630-4. arXiv: 0912.4982 [astro-ph.SR]

13. A. Grigahcène, K. Uytterhoeven, V. Antoci, L. Balona, G. Catanzaro, J. Daszyńska-Daszkiewicz, J. A. Guzik, G. Handler, G. Houdek, D. W. Kurtz, M. Marconi, M. J. P. F. G. Monteiro, A. Moya, V. Ripepi, J.-C. Suárez, W. J. Borucki, T. M. Brown, J. Christensen-Dalsgaard, R. L. Gilliland, J. M. Jenkins, H. Kjeldsen, D. Koch, S. Bernabei, P. Bradley, M. Breger, M. Di Criscienzo, M.-A. Dupret, R. A. García, A. García Hernández, J. Jackiewicz, A. Kaiser, H. Lehmann, S. Martín-Ruiz, P. Mathias, J. Molenda-Żakowicz, J. M. Nemec, J. Nuspl, M. Paparó, M. Roth, R. Szabó, M. D. Suran, and R. Ventura (2010). "Kepler observations: Light shed on the hybrid γ Doradus - δ Scuti pulsation phenomenon". In: Astronomische Nachrichten 331, p. 989. DOI: 10.1002/asna.201011443

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10. L. Gizon, H. Schunker, C. S. Baldner, S. Basu, A. C. Birch, R. S. Bogart, D. C. Braun, R. Cameron, T. L. Duvall, S. M. Hanasoge, J. Jackiewicz, M. Roth, T. Stahn, M. J. Thompson, and S. Zharkov (2009). "Helioseismology of Sunspots: A Case Study of NOAA Region 9787". In: Space Science Rev. 144, pp. 249–273. DOI: 10.1007/s11214-008-9466-5

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8. J. Jackiewicz, L. Gizon, and A. C. Birch (2008a). "High-Resolution Mapping of Flows in the Solar Interior: Fully Consistent OLA Inversion of Helioseismic Travel Times". In: *Solar Phys.* 251, pp. 381–415. DOI: 10.1007/s11207-008-9158-z. arXiv: 0802.3810
7. J. Jackiewicz, L. Gizon, A. C. Birch, and T. L. Duvall Jr. (2007). "Time-Distance Helioseismology: Sensitivity of f-mode Travel Times to Flows". In: *Astrophys. J.* 671, pp. 1051–1064. DOI: 10.1086/522914. arXiv: 0708.3554
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5. J. Jackiewicz, L. Gizon, A. C. Birch, and M. J. Thompson (2007). "A procedure for the inversion of f-mode travel times for solar flows". In: Astronomische Nachrichten 328, pp. 234–239. DOI: 10.1002/asna.200610725. eprint: astro-ph/0702345
4. H. P. Dahal, J. Jackiewicz, and K. S. Bedell (2005a). "Pairing symmetry signatures of T_1 in superconducting ferromagnets". In: *Phys. Rev. B* 72.17, 172506, p. 172506. DOI: 10.1103/PhysRevB.72.172506. eprint: cond-mat/0507212
3. H. P. Dahal, J. Jackiewicz, and K. S. Bedell (2005b). "Physical properties of ferromagnetic-superconducting coexistent system from a mean-field model". In: *Phys. Rev. B* 71.18, 184518, p. 184518. DOI: 10.1103/PhysRevB.71.184518. eprint: cond-mat/0409226
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1. J. Jackiewicz, K. B. Blagoev, and K. S. Bedell (2003). "A model for coexistent superconductivity and ferromagnetism". In: Philosophical Magazine 83, p. 3247. DOI: 10.1080/1478643031000160614 5. eprint: cond-mat/0302449

Under review or in preparation

- **New discoveries of B-star variables in the Kepler field**. D. Mozdzierski*, J. Jackiewicz, B. McNamara. *Astronomical Journal* (in preparation) (2015)

Selected conference proceedings

17. M. S. Kirk, K. S. Balasubramaniam, J. Jackiewicz, and H. R. Gilbert (2017a). "Relationships Between Sequential Chromospheric Brightening and the Corona". In: Fine Structure and Dynamics of the Solar Atmosphere. Ed. by S. Vargas Domínguez, A. G. Kosovichev, P. Antolin, and L. Harra. Vol. 327. IAU Symposium, pp. 117–127. DOI: 10.1017/S1743921317004033. arXiv: 1704.03835 [astro-ph.SR]
16. Thomas A. Underwood, David Voelz, Francois-Xavier Schmider, Jason Jackiewicz, Julien Dejonghe, Yves Bresson, Robert Hull, Ivan Goncalves, Patrick Gualme, Frederic Morand, and Olivier Preis (2017). "Adaptation of Dunn Solar Telescope for Jovian Doppler spectro imaging". In: Proc. SPIE 10401, p. 104010. DOI: 10.1117/12.2275909. URL: http://dx.doi.org/10.1117/12.2275909
15. Ivan Goncalves, Francois-Xavier Schmider, Yves Bresson, Julien Dejonghe, Olivier Preis, Sylvie Robbe-Dubois, Thierry Appourchaux, Patrick Boumier, Jean-Christophe Leclec'h, Gilles Morinaud, Patrick Gaulme, and Jason Jackiewicz (2016). "Advances in the development of a Mach-Zehnder interferometric Doppler imager for seismology of giant planets". In: Proc. SPIE 9908, DOI: 10.1117/12.2230982. URL: http://dx.doi.org/10.1117/12.2230982

14. J. A. Guzik, K. Kosak, P. A. Bradley, and J. Jackiewicz (2016). "Amplitude Variability in gamma Dor and delta Scuti stars observed by the Kepler Spacecraft". In: ArXiv e-prints. arXiv: 1605.04443 [astro-ph.SR]
13. P. A. Bradley, J. A. Guzik, L. F. Miles, J. Jackiewicz, K. Uytterhoeven, and K. Kinemuchi (2014). "Analysis of γ Doradus and δ Scuti stars observed by Kepler". In: IAU Symposium. Ed. by J. A. Guzik, W. J. Chaplin, G. Handler, and A. Pigulski. Vol. 301. IAU Symposium, pp. 387–388. DOI: 10.1017/S1743921313014683
12. J. A. Guzik, P. A. Bradley, J. Jackiewicz, K. Uytterhoeven, and K. Kinemuchi (2014). "The occurrence of non-pulsating stars in the γ Dor and δ Sct instability regions". In: IAU Symposium. Ed. by J. A. Guzik, W. J. Chaplin, G. Handler, and A. Pigulski. Vol. 301. IAU Symposium, pp. 63–66. DOI: 10.1017/S1743921313014099
11. G. Vigeesh and J. Jackiewicz (2013). "Seismology of Small-Scale Magnetic Features using Numerical Simulation". In: Fifty Years of Seismology of the Sun and Stars. Ed. by K. Jain, S. C. Tripathy, F. Hill, J. W. Leibacher, and A. A. Pevtsov. Vol. 478. Astronomical Society of the Pacific Conference Series, p. 259
10. K. DeGrave and J. Jackiewicz (2013). "Preliminary Time-Distance Inversion Tests of Realistic Quiet Sun and Sunspot Simulation Data". In: Fifty Years of Seismology of the Sun and Stars. Ed. by K. Jain, S. C. Tripathy, F. Hill, J. W. Leibacher, and A. A. Pevtsov. Vol. 478. Astronomical Society of the Pacific Conference Series, p. 251
9. P. Gaulme and J. Jackiewicz (2013). "On the Amplitude of Solar-like Oscillations of Red Giants in Eclipsing Binaries". In: Astronomical Society of the Pacific Conference Series. Ed. by K. Jain, S. C. Tripathy, F. Hill, J. W. Leibacher, and A. A. Pevtsov. Vol. 478. Astronomical Society of the Pacific Conference Series, p. 391
8. F. X. Schmider, T. Appourchaux, P. Gaulme, T. Guillot, B. Sato, N. Murphy, J. B. Daban, J. Gay, L. Soulat, F. Baudin, P. Boumier, M. Ollivier, Bordé. P., J. Jackiewicz, S. Ida, and A. P. Showman (2013). "The JOVIAL Project for Jovian Seismology". In: Fifty Years of Seismology of the Sun and Stars. Ed. by K. Jain, S. C. Tripathy, F. Hill, J. W. Leibacher, and A. A. Pevtsov. Vol. 478. Astronomical Society of the Pacific Conference Series, p. 119
7. J. E. Neff, J. Hakkila, F. Hill, J. Jackiewicz, T. S. Metcalfe, J. Christensen-Dalsgaard, S. Frandsen, F. Grundahl, H. Kjeldsen, U. G. Jørgensen, P. K. Rasmussen, and S.-H. Gu (2011). "Using SONG to probe rapid variability and evolution of starspots". In: IAU Symposium. Ed. by D. Prasad Choudhary and K. G. Strassmeier. Vol. 273. IAU Symposium, pp. 451–454. DOI: 10.1017/S1743921311015754
6. K. Uytterhoeven, R. Szabo, J. Southworth, S. Randall, R. Ostensen, J. Molenda-Zakowicz, M. Marconi, D. W. Kurtz, L. Kiss, J. Gutierrez-Soto, S. Frandsen, P. De Cat, H. Bruntt, M. Briquet, X. B. Zhang, J. H. Telting, M. Steslicki, V. Ripepi, A. Pigulski, M. Paparo, R. Oreiro, C. Ngeow, E. Niemczura, J. Nemec, A. Narwid, P. Mathias, S. Martin-Ruiz, H. Lehmann, G. Kopacki, C. Karoff, J. Jackiewicz, M. Ireland, D. Huber, A. A. Henden, G. Handler, A. Grigahcene, E. M. Green, R. Garrido, L. Fox Machado, J. Debosscher, O. L. Creevey, G. Catanzaro, Z. Bognar, K. Biazzo, and S. Bernabei (2010). "Ground-based observations of Kepler asteroseismic targets". In: ArXiv e-prints. arXiv: 1003.6089 [astro-ph.SR]
5. J. Jackiewicz (2009). "Seismic Inversion Methods". In: American Institute of Physics Conference Series. Ed. by J. A. Guzik and P. A. Bradley. Vol. 1170. American Institute of Physics Conference Series, pp. 574–576. DOI: 10.1063/1.3246565
4. L. Gizon, R. Cameron, J. Jackiewicz, M. Roth, H. Schunker, and T. Stahn (2007). "Helioseismology at MPS". in: Modern solar facilities - advanced solar science. Ed. by F. Kneer, K. G. Puschmann, and A. D. Wittmann, p. 89
3. J. Jackiewicz, L. Gizon, and A. Birch (2006a). "f-mode sensitivity kernels for flows". In: Proceedings of SOHO 18/GONG 2006/HELAS I, Beyond the spherical Sun. Vol. 624. ESA Special Publication, p. 52. eprint: astro-ph/0612475

2. J. Jackiewicz, L. Gizon, and A. C. Birch (2006b). "Sensitivity of Solar F-Mode Travel Times to Internal Flows". In: SOHO-17. 10 Years of SOHO and Beyond. Vol. 617. ESA Special Publication, p. 38. eprint: astro-ph/0608604

1. **Progress report on methods of local helioseismology**. L. Gizon, J. Jackiewicz, A.C. Birch, T.L. Duvall Jr. *ESA SP ?*, Lund Conference (2006). http://www.mps.mpg.de/projects/seismo/papers/lund.pdf

Selected invited talks and colloquiua

27. **Seismology of the Sun, Stars, and Giant Planets**. Colorado School of Mines. Golden, CO (April, 2017) [invited colloquium]
26. **Gravity waves in the solar atmosphere**. NSO/DKIST Science Working Group Meeting. Las Cruces, NM (October, 2016) [invited talk]
25. **Jovian Interiors Velocimetry Experiment**. Jovial Kickoff Workshop. Nice, France (April, 2016) [invited talk]
24. **Meridional Flows from GONG**. Living with a Star Workshop. Boulder, CO (June 2015) [invited talk]
23. **The future plans for the DST**. AURA Solar Observatory Council meeting. Cloudcroft, NM (Oct. 2014) [invited talk]
22. **Results from GONG data on meridional flows**. Solar Subsurface Flows from Helioseismology: Problems and Prospects. Stanford University, CA (July 2014) [invited talk]
21. **Inferring magnetism on the Sun and stars with seismology**. Physics Department NMSU. Las Cruces, NM (May 2014) [invited colloquium]
20. **Magnetism and seismology of the Sun and stars**. Rice University Department of Physics. Houston, TX (Feb. 2014) [invited colloquium]
19. **Red giants in eclipsing binaries**. SDSS III Collaboration Meeting. Baltimore, MD (June 2013) [invited talk]
18. **Recent results from the time-distance technique**. NSO Workshop #27 - Fifty years of helio- and asteroseismology. Tucson, AZ (May 2013) [invited review talk]
17. **Precision astrophysics experiments with the Kepler satellite**. 2012 Annual Meeting of the Four Corners Section of the APS. Socorro, NM (October 2012) [invited talk]
16. **Frequency inversions for Jovian seismology**. DI ECHOES: First team meeting. Las Cruces, NM (May 2012) [invited talk]
15. **The U.S. SONG node**. Fourth SONG Workshop. Charleston, SC (Sep. 2011) [invited panelist]
14. **Imaging the depths of the Sun with helioseismology**. Boston College Department of Physics. Chestnut Hill, MA (Sep. 2010) [invited colloquium]
13. **Time-distance helioseismology inversions around sunspots - no consensus**. National Solar Observatory. Tucson, AZ (Aug. 2010) [invited talk]
12. **The U.S. contribution to SONG**. The Third SONG Workshop. Beijing, China (Mar. 2010) [invited talk]
11. **Solar interior seismology**.. New Mexico State University, Department of Physics. Las Cruces, NM (Nov. 2009) [invited colloquium]
10. **Seismology of the Sun**. Embry-Riddle Aeronautical University. Prescott, AZ (Oct. 2009) [invited colloquium]
9. **Inversions in the moat of AR9787**. 3rd HELAS Local Helioseismology Workshop. Berlin, Germany (May 2009) [invited talk]

8. **Solar interior seismology**. University of New Mexico, Department of Physics and Astronomy. Albuquerque, NM (`Apr. 2009`) [`invited colloquium`]
7. **Time-distance helioseismology and projects**. National Solar Observatory. Tucson, AZ (`Oct. 2008`) [`invited talk`]
6. **Tomographic methods of local helioseismology**. New Mexico State University, Department of Mathematical Sciences. Las Cruces, NM (`Sep. 2008`) [`invited colloquium`]
5. **Looking beneath the surface of the Sun using helioseismic tomography**. New Mexico State University. Las Cruces, New Mexico (`Apr. 2008`). [`invited colloquium`]
4. **Inversion of helioseismic travel times**. European Geosciences Union General Assembly. Vienna, Austria (`Apr. 2008`). [`invited talk`]
3. **The forward and inverse problems in local helioseismology**. HELAS II: Helioseismology, Asteroseismology and MHD Connections. Göttingen, Germany (`Aug. 2007`). [`invited review talk`]
2. **BEC-BCS crossover in atomic Fermi gases**. Max Planck Institute for Solar System Research. Katlenburg-Lindau, Germany (`2005`). [`invited talk`]
1. **A local approach to the ferromagnetic transition in metals**. Adam Mickiewicz University. Poznan, Poland (`2003`). [`invited talk`]

Selected contributed talks

19. L. Mayorga, J. Jackiewicz, K. Rages, R. A. West, B. Knowles, N. K. Lewis, and M. S. Marley (2017). "Jupiter's Phase Variations from Cassini: a testbed for future direct-imaging missions". In: American Astronomical Society Meeting Abstracts. Vol. 229. American Astronomical Society Meeting Abstracts, p. 413.05
18. J. M. Clark Cunningham, D. Windemuth, A. Ali, M. L. Rawls, and J. Jackiewicz (2017). "APOGEE/Kepler Overlap Yields Orbital Solutions for a Variety of Eclipsing Binaries". In: American Astronomical Society Meeting Abstracts. Vol. 229. American Astronomical Society Meeting Abstracts, p. 344.20
17. L. Mayorga, J. Jackiewicz, K. Rages, R. West, B. Knowles, M. Marley, and N. Lewis (2016). "Jupiter's Phase Variations from Cassini: a testbed for future direct-imaging missions". In: AAS/Division for Planetary Sciences Meeting Abstracts. Vol. 48. AAS/Division for Planetary Sciences Meeting Abstracts, #202.07
16. **Testing asteroseismic scalings for red giants with eclipsing binaries observed by Kepler**. TASC2 and KASC9 - Seismology of the Sun and the Distant Stars. Azores, Portugal (`July 2016`)
15. M. L. Rawls, P. Gaulme, J. McKeever, and J. Jackiewicz (2016). "What Makes Red Giants Tick? Linking Tidal Forces, Activity, and Solar-Like Oscillations via Eclipsing Binaries". In: American Astronomical Society Meeting Abstracts. Vol. 227. American Astronomical Society Meeting Abstracts, p. 105.06
14. J. A. Guzik, K. Kosak, P. A. Bradley, and J. Jackiewicz (2015). "Amplitude Spectrum Variability in gamma Dor and delta Sct Pulsating Variable Stars Observed by the NASA Kepler Spacecraft". In: IAU General Assembly 22, 2253825, p. 2253825
13. J. McKeever, P. Gaulme, M. L. Rawls, and J. Jackiewicz (2015). "Ages of Red Giants from Asteroseismology". In: American Astronomical Society Meeting Abstracts. Vol. 225. American Astronomical Society Meeting Abstracts, #415.08
12. **How best to utilize time-distance inversions.**. LWS Workshop - Understanding the Dynamics of the Sun using Helioseismology and MHD Simulations. NASA Ames, CA (`February 2013`)
11. **Oscillatory power observed in flares and filaments**. NSO Workshop #26: Solar Origins of Space Weather and Space Climate: Connecting the Interior to the Corona. Sunspot, NM (`May 2012`)

10. **Seismology of small-scale magnetic structures from simulations**. LWS Workshop - Local Helioseismology: Data Analysis, Modeling and Comparisons. Tucson, AZ (`Apr. 2012`)
9. **Solar and stellar physics research at New Mexico State Univeristy**. 27th New Mexico Symposium. Socorro, NM (`Oct. 2011`)
8. **Mass flows around sunspots**. GONG 2008/SOHO XXI: Solar-stellar dynamos as revealed by helio- and asteroseismology. Boulder, Colorado (`Aug. 2008`).
7. **Optimal seismic imaging of the solar interior**. Selected science talk for external review of the Max Planck Institute for Solar System Research. Katlenburg-Lindau, Germany (`Aug. 2007`).
6. **Travel-time sensitivity kernels and calculating them on the web**. First HELAS Local Helioseismology Workshop. Nice, France (`2006`).
5. **Fermi-liquid description of the helical magnetism of MnSi**. APS March Meeting. Los Angeles, CA (`2005`).
4. **First-order phase transition in weak ferromagnetic metals**. APS March Meeting. Montreal, Canada (`2004`).
3. **Properties of a superconducting instability in a ferromagnetic system**. APS March Meeting. Austin, TX (`2003`).
2. **Theoretical investigation of the thermodynamics of superconducting ferromagnets in a mean-field approach**. APS March Meeting. Indianapolis, IN (`2002`).
1. **Calculations of the finite temperature dependence of various quantities in the superconducting/ferromagnetic coexistent phase**. APS March Meeting. Seattle, WA (`2001`).

Selected outreach talks

15. **General relativity and gravitational waves**. NMSU Tombaugh Observatory Open House. Las Cruces, NM (`Feb. 2016`) [`public presentation`]
14. **The Sky Tonight**. NMSU Tombaugh Observatory Open House. Las Cruces, NM (`Oct. 2014`) [`public presentation`]
13. **Science: THe key to the universe and all the smaller doors along the way**. NM AMP Conference, MESA High School Workshop. Las Cruces, NM (`Oct. 2014`) [`keynote address`]
12. **Sun and seismology**. Las Cruces Museum of Nature and Science (Sigma Xi sponsor). Las Cruces, NM (`Sep. 2014`) [`public presentation`]
11. **Science: THe key to the universe and all the smaller doors along the way**. SCCORE luncheon. Las Cruces, NM (`June 2014`) [`keynote address`]
10. **Constraining the solar dynamo using helioseismology.**. NMSU Research Rally. Las Cruces, NM (`Apr. 2014`) [`public presentation`]
9. **What's new in astronomy?**. NMSU Tombaugh Observatory Open House. Las Cruces, NM (`Oct. 2013`) [`public presentation`]
8. **Small objects in the solar system**. NMSU Tombaugh Observatory Open House. Las Cruces, NM (`Feb. 2013`) [`public presentation`]
7. **What is the Sun doing now?**. New Mexico Museum of Space History. Alamagordo, NM (`Nov. 2012`) [`invited public talk`]
6. **A taste of seismology of the Sun and stars**. Astronomical Society of Las Cruces. Las Cruces, NM (`Nov. 2011`) [`invited public talk`]
5. **The sky tonight**. NMSU Tombaugh Observatory Open House. Las Cruces, NM (`Sep. 2011`) [`public presentation`]
4. **The sky tonight**. NMSU Tombaugh Observatory Open House. Las Cruces, NM (`Nov. 2010`) [`public presentation`]

3. **Using acoustic sounds to look inside stars**. NMSU pre-freshman engineering program (PREP). Las Cruces, NM (`Jul. 2010`) [`invited lecture`]
2. **The sky tonight**. NMSU Tombaugh Observatory Open House. Las Cruces, NM (`Aug. 2009`) [`public presentation`]
1. **The nearest star, our Sun**. NMSU Tombaugh Observatory Open House. Las Cruces, NM (`Apr. 2009`) [`public presentation`]

Selected poster presentations - * denotes student 1st author

39. **Modeling the effect of meridional flows in time-distance helioseismology: Born vs. ray approximations**. Co-author*. Kepler Asteroseismic Consortium Conference Azores, Portugal (`July 2016`)
38. J. M. Clark, P. A. Mason, M. L. Rawls, J. Jackiewicz, and SDSS NMSU FAST (2016). "Radial Velocity Solution for Kepler Eclipsing Binary Stars from SDSS APOGEE". in: American Astronomical Society Meeting Abstracts. Vol. 228. American Astronomical Society Meeting Abstracts, p. 218.12
37. J. Jackiewicz, V. Boening, M. Roth, and S. Kholikov (2016). "Born Sensitivity Kernels in Spherical Geometry for Meridional Flows". In: AAS/Solar Physics Division Meeting. Vol. 47. AAS/Solar Physics Division Meeting, p. 7.07
36. L. Mayorga and J. Jackiewicz (2016). "Measuring Doppler Beaming with Kepler and TESS". in: American Astronomical Society Meeting Abstracts. Vol. 227. American Astronomical Society Meeting Abstracts, p. 138.24
35. M. S. Kirk, K. S. Balasubramaniam, J. Jackiewicz, and H. Gilbert (2016). "The Origin of Sequential Chromospheric Brightening". In: AAS/Solar Physics Division Meeting. Vol. 47. AAS/Solar Physics Division Meeting, p. 1.04
34. S. Kholikov, J. Jackiewicz, and A. Serebryanskiy (2015). "Deep Solar Meridional Flow Measurements". In: AAS/AGU Triennial Earth-Sun Summit. Vol. 1. AAS/AGU Triennial Earth-Sun Summit, p. 103.03
33. M. L. Rawls, P. Gaulme, J. McKeever, J. A. Orosz, D. W. Latham, and J. Jackiewicz (2015). "The Double Red Giant Binary With Odd Oscillations". In: American Astronomical Society Meeting Abstracts. Vol. 225. American Astronomical Society Meeting Abstracts, #345.16
32. L. C. Mayorga and J. Jackiewicz (2015). "Modelling Phase Curves and Occultations in KOI Light Curve". In: American Astronomical Society Meeting Abstracts. Vol. 225. American Astronomical Society Meeting Abstracts, p. 257.38
31. **JIVE in NM: Jovian Interiors Velocimetry Experiment**. Co-author*. New Mexico State University Research and Creative Activities Fair. Las Cruces, NM (`Oct. 2014`)
30. **Gravity waves in magnetized solar atmospheres from MHD simulations**. First author. AAS Solar Physics Division. Boston, MA. (`June 2014`)
29. **Validating time-distance helioseismology with realistic quiet-Sun simulations**. Co-author*. AAS Solar Physics Division. Boston, MA. (`June 2014`)
28. L. Mayorga, P. Gaulme, N. Ule, M. Maldonado, and J. Jackiewicz (2014). "Disentangling the Planetary and Stellar Components of Transit Light Curves". In: American Astronomical Society Meeting Abstracts #223. Vol. 223. American Astronomical Society Meeting Abstracts, p. 347.14
27. **Validating time-distance helioseismology with quiet Sun and sunspot simulations**. Co-author*. NSO Workshop # 27 - Fifty years of helio- and asteroseismology. Tucson, AZ. (`May 2013`)

26. **Seismology of small-scale magnetic features using numerical simulations**. Co-author* NSO Workshop # 27 - Fifty years of helio- and asteroseismology. Tucson, AZ. (May 2013)
25. **The SONG project: Looking inside stars and discovering new planets**. First author. New Mexico State University Research and Creative Activities Fair. Las Cruces, NM (Oct. 2011)
24. **Unusual pulsation properties of Red Giant Branch stars**. Co-author*. Fourth SONG Workshop. Charleston, SC (Sep. 2011)
23. **Suitability of the Apache Point Observatory 1m telescope for the SONG spectrograph**. First author. Fourth SONG Workshop. Charleston, SC (Sep. 2011)
22. **Solar oscillations and acoustic power measured in H-alpha**. First author. AAS Solar Physics Division. Las Cruces, NM (June 2011)
21. **Meridional circulation measurements from 15 years of GONG**. Co-author. AAS Solar Physics Division. Las Cruces, NM (June 2011)
20. **The influence of rotation on the pulsation spectra of B-stars**. Co-author. AAS Solar Physics Division. Las Cruces, NM (June 2011)
19. **F-mode seismology of solar simulations**. Co-author*. AAS Solar Physics Division. Las Cruces, NM (June 2011)
18. **Connecting ephemeral chromospheric brightenings to coronal loops**. Co-author*. AAS Solar Physics Division. Las Cruces, NM (June 2011)
17. **Sunspot cycle 24 ascent to peak activity**. Co-author. AAS Solar Physics Division. Las Cruces, NM (June 2011)
16. **Characterizing chromospheric flares and sequential brightenings**. Co-author* AAS Solar Physics Division. Las Cruces, NM (June 2011)
15. **Coronal Loop detection and seismology**. Co-author* AAS Solar Physics Division. Las Cruces, NM (June 2011)
14. **Fields, flares, and forecasts**. Co-author. AAS Solar Physics Division. Las Cruces, NM (June 2011)
13. **The pulsation spectra of Kepler B stars**. Co-author. AAS Meeting #218 Boston, MA (May 2011)
12. **Observations of 14 δ Scuti and γ Doradus star candidates for the Kepler Guest Observer Program Cycle 1**. Co-author. Kepler Asteroseismic Consortium Workshop III. Aarhus, Denmark (June 2010)
11. **SDO science center: Developing physics-based procedures for local helioseismic probing of sunspots and magnetic regions**. Co-author. AAS Solar Physics Division. (May 2010)
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