

Diana Dragomir

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RESEARCH INTERESTS

Transit detection techniques
Formation and composition of small exoplanets
Exoplanet atmospheres
Exoplanet host star characterization

EDUCATION

Ph.D. in Astronomy, University of British Columbia, May 2013.

Advisor: Jaymie Matthews

Thesis: *Transiting Super-Earth Exoplanets: Search and Characterisation*

M.Sc. in Physics, McGill University, August 2008

Advisor: Andrew Cumming

Thesis: *Constraining the period and eccentricity distributions of long period exoplanets*

B.Sc. in Honours Physics and Minor in Chemistry, McGill University, May 2005

Honours thesis advisor: Robert Rutledge

Honours Thesis: *Identification and Spectral Classification of Optical Counterparts to ROSAT All-Sky Survey X-Ray Sources*

POST-DOCTORAL ACADEMIC EMPLOYMENT

Hubble Postdoctoral Fellow - Massachusetts Institute of Technology, 2016 - present

Postdoctoral Fellow - University of Chicago, 2015 - 2016

Postdoctoral Fellow - University of California Santa Barbara/Las Cumbres Observatory Global Telescope (LCOGT), 2012 - 2015

VISITING SCIENTIST

Visiting Scientist - California Institute of Technology, 2014 – 2015

KITP program participant, Dynamics and Evolution of Earth-like Planets - Santa Barbara, 2015

AWARDS

Hubble Fellowship, 2016 - 2019

AAS Roger Doxsey Travel Prize Runner-Up, January 2013

University of British Columbia Four Year Fellowship, 2011 - 2012

IPAC Visiting Graduate Fellowship, October 2010 – April 2011

FQRNT (Government of Québec) Doctoral Research Scholarship, 2008 – 2011

FUNDED PROPOSALS

TESS GI Proposal (cycle 2) - \$35 000

Spitzer Space Telescope GO program grant (cycle 14) - \$30 000

Hubble Space Telescope GO program grant (cycle 23) - \$41 000

Spitzer Space Telescope GO program grant (cycle 12) - \$10 000

Spitzer Space Telescope GO program grant (cycle 11) - \$10 000

Hubble Space Telescope GO program grant (cycle 22) - \$45 000

Spitzer Space Telescope GO program grant (cycle 10) - \$5000

SELECTED APPROVED OBSERVING PROPOSALS**Space-based telescopes**

PI of CHEOPS proposal (cycle 1), *Exploring the Diversity of Small Planet Compositions*, 30 orbits
PI of joint Spitzer/HST proposal (cycle 12), *The Nature of 55 Cnc e*, 52 Spitzer hours, 16 HST orbits
PI of Spitzer proposal (cycle 11), *A Comparative Study of Super-Earth Atmospheres*, 163 hours
PI of Spitzer proposal (cycle 10), *Characterizing the Atmosphere of the Warm Super-Earth HD 97658b*, 45 hours
PI of super-Earth transit search program with MOST (2008 - 2013)
Co-I on 11 Spitzer and 7 HST proposals, totalling 1154 hours and 303 HST orbits, respectively
Co-I on JWST Early Release Science proposal on transiting exoplanets, 78 hours

Ground-based telescopes

PI of NOAO AAT Velocite proposal (2019B), *Maximizing the TESS Mission's Yield of Temperate Planets*, 3 nights
PI of Magellan PFS proposals (2018B - 2019B), *Maximizing the TESS Mission's Yield of Temperate Planets*, 5 nights
PI of 8 LCO proposals (2013B - 2016A), totalling 787 hours.
Co-I on 14 LCOGT proposals (2013A - present), including the ongoing TECH project for follow-up and characterization of K2 and TESS planet candidates
Co-I on Keck proposal (2017A) on the radial velocity confirmation of K2 warm jupiters, 1 night

ACADEMIC SERVICE

US-ELT Program - Exoplanet Working group, 2018 - 2019
 MIT MKI Journal Club committee, 2018 - 2019
 Member of NASA COPAG Great Observatories SAG 10, 2018 - 2019
 Member of TESS Follow-up Steering Committee (chair of space-based photometry group), 2017 - present
 Member of TESS Atmospheric Characterization Working Group, 2017 - present
 Member of the SOC for *The 2nd Rencontres du Vietnam on Exoplanetary Science*, 2017 - 2018
 Member of the Spitzer Science Users Panel, 2017 - present
 Member of the SOC for *The 2nd Rencontres du Vietnam on Exoplanetary Science*, 2017 - 2018
 Member of TESS Target Selection working group, 2016 - 2018
 Proposal Reviewer for NASA WIYN, 2016 - 2018
 Proposal reviewer for HST
 Proposal reviewer for Spitzer, 2016 - present
 University of Chicago exoplanet journal club coordinator, 2016
 Proposal reviewer for CFHT, 2015 - present
 Referee for *ApJ*, *MNRAS* and *Nature Astronomy*, 2013 - present
 Panel Reviewer for NASA ROSES program
 Member of LOC for K2SciCon, 2015
 Member of CASCA graduate student career counseling panel, May 2013
 LCOGT/UCSB exoplanet journal club founder and coordinator, 2013 - 2015
 LCOGT seminar series coordinator, 2012 - 2015
 UBC Graduate Student Society Physics & Astronomy representative, 2009 - 2010
 Vice-president external for the McGill undergraduate physics society, 2004 - 2005
 Volunteer organizer for the Canadian Undergraduate Physics Conference, McGill University, 2003

SELECTED INVITED COLLOQUIA AND SEMINARS

- MIT PICS Seminar, April 2019
- Princeton University, Exoplanet Lunch Seminar, March 2019

- University of New Mexico, CART Seminar, March 2019
- JPL Astrophysics Colloquium, February 2019
- Graz Institute for Space Research Astronomy Seminar, November 2018
- Saint Mary's University Astronomy and Physics Seminar, March 2018
- University of Toledo Physics and Astronomy Colloquium, February 2018
- Cornell University Astronomy Colloquium, February 2018
- University of Florida Astronomy Colloquium, January 2018
- Ohio State University Astronomy Colloquium, January 2018
- University of Illinois at Urbana-Champaign Astronomy Colloquium, December 2017
- Tufts University Physics and Astronomy Colloquium, September 2017
- Hamburg Observatory Seminar, June 2017
- Astronomy Department Colloquium, Wesleyan University, February 2017
- McGill Space Institute Seminar, January 2017
- Texas A&M Astronomy Seminar, November 2016
- Harvard Center for Astrophysics Small Scale Seminar, March 2016
- Harvard Center for Astrophysics Exoplanet Lunch, March 2016
- UC Santa Barbara Astro Lunch Talk, June 2015
- Infrared Processing and Analysis Center (IPAC) seminar, April 2015
- University of British Columbia astronomy colloquium, January 2015
- Center for Exoplanets and Habitable Worlds seminar (Penn State University), April 2014
- Université de Montreal astrophysics seminar, March 2014
- Observatoire de Geneve exoplanet seminar, February 2014
- NRC Herzberg seminar, November 2013
- California Institute of Technology tea talk, September 2013
- McGill university seminar, August 2009

INVITED CONFERENCE TALKS

- Canadian Astronomical Society Meeting 2019 (Montreal, Canada), June 2019
- New Horizons in Planetary Systems (Victoria, Canada), May 2019
- STScI TESS Data Workshop (Baltimore, MD), February 2019
- “Icarus Worlds” Session, AGU 2018 (Washington, DC), December 2018
- Unsolved Problems in Astrophysics and Cosmology (Budapest, Hungary), July 2018
- Planetary atmospheres: on Earth, in the solar system, and on exoplanets (Stockholm, Sweden), June 2017
- “Making Great Observatories Even Better”, AAS 229 special session (Grapevine, TX), January 2017
- Fellows at the Frontiers (Evanston, IL), August 2016
- Opportunity M (Cambridge, MA), August 2016
- CHEOPS Science Workshop (Madrid, Spain), June 2015

SELECTED CONTRIBUTED CONFERENCE PRESENTATIONS (AS FIRST AUTHOR)

- Extreme Solar Systems IV (2019), Reykjavik, Iceland
The HD 21749 System: A Temperate Sub-Neptune, an Earth-Sized Planet, and Who Knows What Else - Talk
- TESS Science Conference I (2019), Cambridge, MA
The HD 21749 system: a Temperate sub-Neptune and the First Earth-sized Planet Discovered with TESS-Talk
- American Astronomical Society Meeting (2019), Seattle, Washington
HD 21749b: The Longest-Period TESS Planet Yet - Talk
- 2nd Rencontres du Vietnam on Exoplanetary Science (2018), Quy Nhon, Vietnam
Maximizing the TESS Mission's Yield of Long-Period Exoplanets - Talk
- American Astronomical Society Meeting (2018), National Harbor, DC

- *Maximizing the TESS Mission's Yield of Long-Period Exoplanets* - Talk
- Exoclipse (2017), Boise, ID
- *Maximizing the TESS Mission's Yield of Long-Period Exoplanets* - Talk
- CHEOPS Science Workshop (2017), Schloss Seggau, Austria
- *Maximizing the TESS Mission's Planet Yield with CHEOPS* - Talk
- American Astronomical Society Meeting (2017), Grapevine, TX
- *Emission Spectroscopy of the Super-Earth 55 Cnc e* - Talk
- Exoclimates IV (2016), Vancouver, BC
- *The Nature of 55 Cnc e* - Talk
- Exoplanets I (2016), Davos, Switzerland
- *The Nature of 55 Cnc e* - Talk
- IAU Focus Meeting 13: Brightness Variations of the Sun and Sun-like Stars, Honolulu, HI
- *The variability of nearby exoplanet host stars* – Talk
- Canadian Astronomical Society Meeting (2015), Hamilton, ON
- *Probing exoplanet atmospheres through their Rayleigh scattering signatures* - Talk
- Exoplanets with JWST-MIRI (2014), Heidelberg, Germany
- *Monitoring exoplanets and their host stars with the LCOGT network* - Talk
- Towards other Earths II - the Star-Planet Connection (2014), Porto, Portugal
- *The atmospheres of warm super-Earths: HD 97658b as a case study* - Talk
- Canadian Astronomical Society Meeting (2013), Vancouver, BC
- *A warm transiting super-Earth around a very bright star* - Talk
- American Astronomical Society Meeting (2013), Long Beach, CA
- *Transiting Super-Earth Exoplanets: Search and Characterization with the MOST Space Telescope* - Dissertation talk
- IAU Symposium 293: Formation, Detection and Characterization of Extrasolar Habitable Planets (2012), Beijing, China
- *2012 MOST photometry of the 55 Cancri system* - Talk
- Extreme Solar Systems II (2011), Jackson, WY
- *MOST Search for Transits of Super-Earths: Results for BD-082823 b and 61 Vir b* - Talk
- Canadian Astronomical Society Meeting (2011), London, ON
- *Searching for transits of GJ 581 e* - Talk

TEACHING

- Teaching Assistant at University of British Columbia
- “Exploring the Universe: Stars and Galaxies”, fall 2009 & spring 2010
- “Introduction to Stars and Galaxies”, spring 2009
- “Introduction to the Solar System”, fall 2008
- Mentor for new teaching assistants at University of British Columbia, fall 2009
- Teaching Assistant at McGill University
- “The Milky Way Inside and Out”, fall 2007 & spring 2008
- “Our Evolving Universe”, spring 2007
- “Mechanics 101”, fall 2006
- Tutor for physics and mathematics courses, 2000 - 2005

RESEARCH ADVISING

- Supervising MIT graduate student Sherry Guo on a project to analyze HST-WFC3 and Spitzer transmission spectroscopy of the super-Earth HD 97658b.
- Supervised MIT graduate student Liang Yu on a project which will constrain the scattering processes in the atmosphere of a warm Neptune, using Gemini GMOS spectroscopy (2016 – present).
- Advised University of Chicago graduate student Megan Bedell on work related to radial velocity and

- Spitzer observations of Solar Twin Planet Search systems (2015 – 2016).
- Supervised UC Santa Barbara graduate student Giulia Collura for summer project on photometric monitoring of exoplanet host stars (2015); this work was presented at the 2015 Sagan Summer Workshop.
 - Advised University of Arizona undergraduate students Lauren Biddle and Kyle Pearson (now graduate students at Northern Arizona University) on work related to the GJ 3470b exoplanet system (2013 – 2015); results were published in Biddle et al. (2014) and Dragomir et al. (2015).
 - Advised University of British Columbia graduate student Samara Pillay on *MOST* data reduction (2011 – 2012).
 - Advised Penn State University undergraduate student Genady Pilyavsky (now a graduate student at Arizona State University) on data reduction and analysis for the TERMS project (2011 – 2013); results were published in multiple papers related to the TERMS project, including Pilyavsky et al. (2011).

PUBLIC OUTREACH

Cambridge Science Festival MIT Kavli Institute booth, April 2018
 Public talk during MIT Independent Activities Period, January 2018
 AAS 231 NASA Hyperwall presentation on the TESS mission, January 2018
 AAS Ambassadors Workshop participant, January 2018
 TESS Lab Tour for veteran students, August 2017
 Astronomy on Tap Boston public talk, June 2017
 Public talk during MIT Independent Activities Period, January 2017
 Founder and organizer of Astronomy on Tap Boston chapter, 2016 - 2019
 Astronomy Conversations presenter at the Adler Planetarium Space Visualization Lab, Chicago, 2016
 Public talk at Atlas Senior Center, Chicago, June 2016
 Volunteer Astronomer at Chicago Sinfonietta event, Chicago, May 2016
 Volunteer Astronomer at High Jump Career Day, Chicago, February 2016
 Invited public talk at Santa Barbara Astronomical Unit, April 2015
 Volunteer for “Astronomy Day” event for high school students, Lowell Observatory, May 2011
 Outreach astronomer at University of British Columbia, summer 2009
 Writer of *Hunting for Planets in the Starry Wild*, published in *Le Panoptique*, August 2008
 Science instructor at summer camps and elementary school workshops, Montreal, 2000 – 2005

SELECTED PRESS COVERAGE

A few appearances on the “NASA's Unexplained Files” TV show, 2019
 “How To Cook For an Alien”, Brains On podcast, July 2018
 “Newer Horizons: Scientists Pitch Pluto Probe as a Unique Deep-Space Telescope”, *Scientific American*, March 2018
 “Blue Skies Spotted 100 Light Years Away”, *Daily Mail*, November 2015
 “Distant Exoplanet Has Blue Skies”, *forbes.com*, November 2015
 “A Blue Neptune-Sized Exoplanet Around a Red Dwarf Star”, *astronomynow.com*, November 2015
 “UBC Astronomer Helps Discover New Planet”, *The Ubysey*, January 2015
 “UCSB Astronomer Uncovers The Hidden Identity Of An Exoplanet”, UCSB Press Release, July 2013
 “Astronomers Nail Down Details of 'Next-Door' Exoplanet”, *United Press International*, July 2013
 “Newly Identified Planet Bucks Planetary Trends”, *Nature World News*, July 2013
 “Exoplanet Measured by UCSB Astronomer”, *Santa Barbara News-Press*, July 2013
 “Hot Planet Keeps Its Water”, *ScienceNews*, August 2012
 “Some Highlights in Exoplanets”, *Ask an Astronomer! @ Cornell University* podcast, March 2012
 “Gliese's Hints of Habitability”, *Astrobiology Magazine*, June 2011
 “Super-Earth Resides in Habitable Zone”, *Astronomy Now*, June 2011

REFEREED PUBLICATIONS (8 FIRST AUTHOR, 47 TOTAL)

1. Luque, R. et al. (2019) *Planetary system around the nearby M dwarf GJ 357 including a transiting, hot, Earth-sized planet optimal for atmospheric characterization*, A&A, 628, A39
2. Benneke, B. et al. (2019) *A sub-Neptune exoplanet with a low-metallicity methane-depleted atmosphere and Mie-scattering clouds*, Nature Astronomy
3. Newton, E. R. et al. (2019) *TESS Hunt for Young and Maturing Exoplanets (THYME): A Planet in the 45 Myr Tucana—Horologium Association*, ApJ Letters, 880, L17
4. Guo, X., Ballard, S., **Dragomir, D.** et al. (2019) *Temperate Super-Earths/Mini-Neptunes around M/K Dwarfs Consist of Two Populations Distinguished by Kepler and Spitzer Transit Depth Variations*, ApJ, 880, 64
5. Rodriguez, J. E. et al. (2019) *An Eccentric Massive Jupiter Orbiting a Subgiant on a 9.5-day Period Discovered in the Transiting Exoplanet Survey Satellite Full Frame Images*, AJ, 157, 191
6. **Dragomir, D.** et al. (2019) *TESS Delivers Its First Earth-sized Planet and a Warm Sub-Neptune*, ApJ Letters, 875, L7
7. Kedziora-Chudczer, L. et al. (2019) *Secondary eclipses of WASP-18b - near-infrared observations with the Anglo-Australian Telescope, the Magellan Clay Telescope and the LCOGT network*, MNRAS, 483, 5110
8. Vanderpek, R. et al. (2019) *TESS Discovery of an Ultra-short-period Planet around the Nearby M Dwarf LHS 3844*, ApJ Letters, 871, L24
9. Villanueva, S. Jr., **Dragomir, D.**, Gaudi, B. S. (2019) *An Estimate of the Yield of Single-transit Planetary Events from the Transiting Exoplanet Survey Satellite*, AJ, 157, 84.
10. Mallonn, M. et al. (2019) *Ephemeris refinement of 21 hot Jupiter exoplanets with high timing uncertainties*, A&A, 622, 81.
11. Huang, C. X. et al. (2018) *TESS Discovery of a Transiting Super-Earth in the pi Mensae System*, ApJ Letters, 868, 39.
12. Mansfield, M. et al. (2018) *Detection of Helium in the Atmosphere of the Exo-Neptune HAT-P-11b*, ApJ Letters, 868, 34.
13. Zemcov, M. et al. (2018) *Astrophysics with New Horizons: Making the Most of a Generational Opportunity*, PASP, 130, 115001.
14. Bean, J. L. et al. (2018) *The Transiting Exoplanet Community Early Release Science Program for JWST*, PASP, 130, 114402.
15. Kempton, E. et al. (2018) *A Framework for Prioritizing the TESS Planetary Candidates Most Amenable to Atmospheric Characterization*, PASP, 130, 114401.
16. Mansfield, M. et al. (2018) *An HST/WFC3 Thermal Emission Spectrum of the Hot Jupiter HAT-P-7b*, AJ, 156, 10.
17. Lothringer, J. D. et al. (2018) *An HST/STIS Optical Transmission Spectrum of Warm Neptune GJ 436b*, AJ, 155, 66.
18. Shporer, A. et al. (2017) *K2-114b and K2-115b: Two Transiting Warm Jupiters*, AJ, 154, 188.
19. Bayliss, D., Hojjatpanah, S., Santerne, A., **Dragomir, D.** et al. (2017), *EPIC201702477b: A Long Period Transiting Brown Dwarf from K2*, AJ, 153, 15
20. Zhou, G. et al. (2016) *Simultaneous infrared and optical observations of the transiting debris cloud around WD 1145+017*, MNRAS, 463, 4422
21. Guzik, J. A. et al. (2016) *Detection of Solar-Like Oscillations, Observational Constraints, and Stellar Models for θ Cyg, the Brightest Star Observed by the Kepler Mission*, ApJ, 831, 17
22. Stevenson, K. B. et al. (2016) *Transiting Exoplanet Studies and Community Targets for JWST's Early Release Science Program*, PASP, 128, 94401
23. Hoyer, S., Palle, E., **Dragomir, D.**, Murgas, F. (2016) *Ruling Out the Orbital Decay of the WASP-43b Exoplanet*, AJ, 151, 137
24. Kane, S. R., Wittenmeyer, R. A., Hinkel, N. R., Roy, A., Mahadevan, S., **Dragomir, D.** et al. (2016) *Evidence for Reflected Light from the Most Eccentric Exoplanet Known*, ApJ, 821, 65

25. **Dragomir, D.** et al. (2015) *Rayleigh Scattering in the Atmosphere of the Warm Exo-Neptune GJ 3470b*, ApJ, 814, 102
26. Knutson, H. A., **Dragomir, D.** et al. (2014) *Hubble Space Telescope Near-IR Transmission Spectroscopy of the Super-Earth HD 97658*, ApJ, 794, 155
27. Biddle, L. I. et al. (2014) *Warm ice giant GJ 3470b - II. Revised Planetary and Stellar Parameters from Optical to Near-Infrared Transit Photometry*, MNRAS, 443, 1810
28. Claret, A., **Dragomir, D.**, Matthews, J. M. (2014) *Theoretical Gravity and Limb-Darkening Coefficients for the MOST Satellite Photometric System*, A&A, 567, A3
29. Joiner, D. A., Sul, C., **Dragomir, D.**, Kane, S. R., Kress, M. E. (2014) *A Consistent Orbital Stability Analysis for the GJ 581 System*, ApJ, 788, 160
30. van Grootel, V. et al. (2014) *Transit Confirmation and Improved Stellar and Planet Parameters for the Super-Earth HD 97658 b and its Host Star*, ApJ, 786, 2
31. Brown, T. M. et al. (2013) *Las Cumbres Observatory Global Telescope*, PASP, 125, 1031
32. **Dragomir, D.** et al. (2013) *MOST Detects Transits of HD 97658b, a Warm, Likely Volatile-rich Super-Earth*, ApJ, 772, L2
33. Henry, G. W. et al. (2013) *Host Star Properties and Transit Exclusion for the HD 38529 Planetary System*, ApJ, 768, 155
34. Wang, S. X. et al. (2012) *The Discovery of HD 37605c and a Dispositive Null Detection of Transits of HD 37605b*, ApJ, 761, 46
35. **Dragomir, D.** et al. (2012) *Non-detection of Previously Reported Transits of HD 97658b with MOST Photometry*, ApJ, 759, L41
36. **Dragomir, D.** et al. (2012) *A Search for Transits of GJ 581e and Characterization of the Host Star Variability Using MOST Space Telescope Photometry*, ApJ, 759, 2
37. **Dragomir, D.** et al. (2012) *The HD 192263 System: Planetary Orbital Period and Stellar Variability Disentangled*, ApJ, 754, 37
38. Gazak, J. Z., Johnson, J. A., Tonry, J., **Dragomir, D.** et al. (2012) *Transit Analysis Package (TAP): An IDL Graphical User Interface for Extrasolar Planet Transit Photometry*, Advances in Astronomy, 2012
39. Pilyavsky, G. et al. (2011), "A Search for the Transit of HD 168443b: Improved Orbital Parameters and Photometry", ApJ, 743, 162
40. Kane, S. R., Gelino, D. M., Ciardi, D. R., **Dragomir, D.** et al. (2011) *Planetary Phase Variations of the 55 Cancri System*, ApJ, 740, 61
41. **Dragomir, D.** et al. (2011) *TERMS Photometry of Known Transiting Exoplanets*, AJ, 142, 115
42. Winn, J. N. et al. (2011) *A Super-Earth Transiting a Naked-Eye Star*, ApJ, 737, L18
43. Kane, S. R., **Dragomir, D.** et al. (2011) *Stellar Variability of the Exoplanet Hosting Star HD 63454*, ApJ, 737, 58
44. Kane, S. R. et al. (2011) *Improved Orbital Parameters and Transit Monitoring for HD 156846*, ApJ, 733, 28
45. Kane, S. R., Henry, G.W., **Dragomir, D.** et al. (2011) *Revised Orbit and Transit Exclusion for HD 114762b*, ApJL, 735, L41
46. Cumming, A. & **Dragomir, D.** (2010) *An Integrated Analysis of Radial Velocities in Planet Searches*, MNRAS, 401, 1029
47. **Dragomir, D.** et al. (2007) *Spectral Classification of Optical Counterparts to ROSAT All-Sky Survey X-Ray Sources*, AJ, 133, 2495

PAPERS IN REVIEW

1. Gunther, M. N., Pozuelos, F. J., Dittmann, J. A., **Dragomir, D.** et al. *A super-Earth and two sub-Neptunes transiting the nearby and quiet M dwarf TOI-270*, 2019, Nature Astronomy, submitted
2. Crossfield, I. J. M. et al. *A super-Earth and sub-Neptune transiting the late-type M dwarf LP 791-18*, 2019, AAS Journals, submitted
3. **Dragomir, D.** et al. *Securing the legacy of TESS through the care and maintenance of TESS planet*

- ephemerides*, 2019, AAS Journals, submitted
4. Sulis, S., **Dragomir, D.** et al. *Multi-season optical modulation phased with the orbit of the super-Earth 55 Cnc e*, 2019, A&A, submitted
 5. Quinn, S. N. et al. *Near-resonance in a system of sub-Neptunes from TESS*, 2019, AAS Journals, submitted
 6. Huang, C. X., Shporer, A., **Dragomir, D.** et al. *Expected Yields of Planet discoveries from the TESS primary and extended missions*, 2018, AAS Journals, submitted

CONFERENCE PROCEEDINGS AND WHITE PAPERS

1. Lopez, E. et al. (2019) *Understanding Exoplanet Atmospheres with UV Observations II: The Far UV and Atmospheric Escape*, Astro2020 Science White Paper
2. **Dragomir, D.** et al. (2019) *Characterizing the Atmospheres of Irradiated Exoplanets at High Spectral Resolution*, Astro2020 Science White Paper
3. Zellem, R. et al. (2019) *Engaging Citizen Scientists to Keep Transit Times Fresh and Ensure the Efficient Use of Transiting Exoplanet Characterization Missions*, Astro2020 Science White Paper.
4. Rackham, B. et al. (2019) *Constraining Stellar Photospheres as an Essential Step for Transmission Spectroscopy of Small Exoplanets*, Astro2020 Science White Paper
5. Ciardi, D. et al. (2019) *Toward Finding Earth 2.0: Masses and Orbits of Small Planets with Extreme Radial Velocity Precision*, Astro2020 Science White Paper
6. Line, M. et al. (2019) *The Importance of Thermal Emission Spectroscopy for Understanding Terrestrial Exoplanets*, Astro2020 Science White Paper
7. Johnson, M. et al. (2019) *Tracing the Origins and Evolution of Small Planets using Their Orbital Obliquities*, Astro2020 Science White Paper
8. Wang, J. et al. (2019) *New Frontiers for Terrestrial-sized to Neptune-sized Exoplanets In the Era of Extremely Large Telescopes*, Astro2020 Science White Paper
9. Zemcov, M. et al. (2019) *Opportunities for Astrophysical Science from the Inner and Outer Solar System*, Astro2020 Science White Paper
10. **Dragomir, D.** et al. (2014) *New MOST Photometry of the 55 Cancri System*, Proceedings of the International Astronomical Union, IAU Symposium, 293, 52