

Kepler & K2 Science Conference V Program

Version 1, December 20, 2018

Science Program

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List of Contributed Posters

12



Science Program

Monday, March 4, 2019

- Session 1* *Kepler/K2 Mission History and Future (Chair: TBA)*
- 8:00-8:30 Registration
- 8:30-9:00 [Bill Borucki \(invited\): History of the Kepler Mission](#)
- 9:00-9:30 [Katelynn McCalmont \(invited\): Flying the Kepler Spacecraft's Second Mission: K2 Operations](#)
- 9:30-9:45 Douglas Caldwell: The Kepler photometer
- 9:45-10:00 Geert Barentsen: Kepler's Discoveries Will Continue: 21 Scientific Opportunities with Kepler & K2 Archive Data
- 10:00-10:30 *Break*
- Session 2* *Precise Stellar and Planetary Radii (Chair: TBA)*
- 10:30-11:00 [Mia Lundkvist \(invited\): Asteroseismology of exoplanet host stars from the Kepler/K2 missions](#)
- 11:00-11:15 Vincent Van Eylen: Understanding planet formation through asteroseismology
- 11:15-11:30 Hilke Schlichting: Observational Signatures of the Core-Powered Mass-Loss Mechanism: The Radius Valley as a Function of Stellar Mass
- 11:30-11:45 Travis Berger: Precise Characterization of Kepler Stars and Planets Using Gaia DR2
- 11:45-12:00 Benjamin Fulton: Revisiting the Radius Gap in the Era of Gaia
- 12:00-13:30 *Lunch*
- Session 3* *Stellar Magnetism and Activity (Chair: TBA)*
- 13:30-13:45 Matteo Cantiello: Internal Magnetic Fields Asteroseismology: Kepler's Legacy and TESS's opportunities
- 13:45-14:00 Angela Santos: Seismic signatures of magnetic activity in solar-type stars observed by Kepler
- 14:00-14:15 Ellianna Schwab Abrahams: The Fundamental and Magnetic Characteristics of M Dwarfs in the Kepler Field
- 14:15-14:30 Michael Gully-Santiago: K2 constraints on stellar surface inhomogeneities and their systematic bias of transit-derived exoplanet densities
- 14:30-14:45 Sharon Xuesong Wang: RVxK2: Using Simultaneous Kepler Photometry to Mitigate Stellar Jitter
- 14:45-15:00 Lisa Bugnet: FliPer: a powerful tool to detect and characterise Solar-like pulsators

15:00-15:30 *Break*

Session 4 Exoplanet Occurrence Rates (Chair: TBA)

15:30-16:00 [Courtney Dressing \(invited\): Probing the Frequency of Planetary Systems with Kepler and K2](#)

16:00-16:15 Gijs Mulders: Exoplanet population synthesis in the era of large exoplanets surveys

16:15-16:30 Timothy Morton: The Probabilistic Validation Revolution: How Kepler forced a paradigm shift in how we treat transiting planet candidates

16:30-16:45 Marko Sestovic: The occurrence rate of planets around ultracool dwarfs

16:45-17:00 Christina Hedges: Are there any more planets in the Kepler / K2 data?

Tuesday, March 5, 2019

Session 1 Kepler Benchmark Systems (Chair: TBA)

8:30-9:00 [Sarah Ballard \(invited\): Lessons from the Multi-planet Systems](#)

9:00-9:15 Christopher Shallue: Can deep learning help find Earth analogues?

9:15-9:30 Michelle Hill: Exploring Kepler Giant Planets in the Habitable Zone

9:30-9:45 Kai Rodenbeck: Revisiting the exomoon candidate signal around Kepler-1625 b

9:45-10:00 Ashley Chontos: The Curious Case of KOI-4: Confirming Kepler's First Exoplanet

10:00-10:30 *Break*

Session 2 K2 Benchmark Systems (Chair: TBA)

10:30-11:00 [Andrew Vanderburg \(invited\): Benchmark Exoplanet Systems Discovered by the K2 Mission](#)

11:00-11:15 Juliette Becker: Dynamically Determining Observationally Ill-Constrained Planet Parameters: Towards Precise Transit Ephemerides for the Benchmark System HIP 41378

11:15-11:30 Kevin Hardegree-Ullman: Space Telescope Synergy: Spitzer Follow-up of K2 Targets

11:30-11:45 Joey Rodriguez: K2-266: A Compact Multi-Planet System With A Planet That Is "Way Out of Line"

11:45-12:00 Fei Dai: New perspective on the ultra-short-period planets

12:00-13:30 *Lunch*

Session 3 Microlensing and Accretion Physics (Chair: TBA)

13:30-13:45 Domenico Nardiello: High-precision photometry of stars in K2 crowded fields - A PSF-based approach to K2 data

13:45-14:00 Sebastiano Calchi Novati: An isolated microlens observed from K2,

- Spitzer and Earth
- 14:00-14:30 [Krista Lynne Smith \(invited\): Kepler/K2 and Active Galactic Nuclei: New Insights into Accretion and High Energy Phenomena](#)
- 14:30-14:45 Paula Szkody: Insights into Accretion in Cataclysmic Variables Gleaned from Kepler
- 14:45-15:00 Ryan Ridden-Harper: Hunting transients in K2 with the K2: Background Survey
- 15:00-15:30 *Break*
- Session 4 Extragalactic Science (Chair: TBA)*
- 15:30-16:00 [Peter Garnavich \(invited\): Better Understanding Supernovae from Kepler/K2 Observations](#)
- 16:00-16:15 Georgios Dimitriadis: K2 Observations of SN 2018oh Reveal a Two-Component Rising Light Curve for a Type Ia Supernova
- 16:15-16:30 Thomas Holoiën: ASASSN-18bt: Evidence for Nickle on the Surface of a Type Ia Supernova found by the rising K2 light curve
- 16:30-16:45 Edward Shaya: A Tidal Disruption Event in a Seyfert 2 Observed with K2
- 16:45-17:00 Armin Rest: A Fast-Evolving, Luminous Transient Discovered by K2/Kepler
- 17:00-18:30 *Poster Session I*

Wednesday, March 6, 2019

- Session 1 Galactic Archaeology (Chair: TBA)*
- 8:30-9:00 [Marc Pinsonneault \(invited\): Galactic Archeology with Kepler and K2](#)
- 9:00-9:15 Dennis Stello: The K2 Galactic Archaeology Program: revealing the jigsaw puzzle one campaign at a time
- 9:15-9:30 Jie Yu: Ensemble asteroseismology of 20,000 oscillating red giants observed by Kepler
- 9:30-9:45 Rafael Garcia: A Comprehensive Full Kepler Red Giant Legacy Catalog
- 9:45-10:00 Daniel Huber: An Asteroseismic Age for the Galactic Halo Measured with Distant Kepler Giants
- 10:00-10:30 *Break*
- Session 2 Binaries, Exoplanets, and Citizen Science (Chair: TBA)*
- 10:30-10:45 Adam Kraus: The Perilous Lives of Planets in Binary Star Systems
- 10:45-11:00 Rachel Matson: Detecting Unresolved Binaries in Exoplanet Transit Surveys with Speckle Imaging
- 11:00-11:15 Nicole Hess: Identifying Bound Stellar Companions to Kepler Exoplanet Host Stars With Speckle Imaging

- 11:15-11:30 Wei Zhu: Many Kepler planets have distant companions
 11:30-12:00 [Chris Lintott \(invited\): Citizen Science with Kepler and K2](#)
- 12:00-13:30 *Lunch*
- Session 3 Simultaneous Breakout Sessions I*
 13:30-15:00 [David Soderblom: Opportunities and limitations of the cluster data from Kepler/K2](#)
[Geert Barentsen/Christina Hedges: The Lightkurve package for Kepler & TESS data analysis: tutorials and consulting breakout](#)
[Eric Feigelson: Finding Planets in Kepler lightcurves with R](#)
- 15:00-15:30 *Break*
- Session 4 Simultaneous Breakout Sessions II*
 15:30-17:00 [Ann Marie Cody: A Crowded Field Photometry Challenge](#)
[Michael Gully-Santiago: Modeling correlated noise with Gaussian processes](#)
[Lee Rosenthal: RadVel: The Radial Velocity Fitting Toolkit](#)

Thursday, March 7, 2019

- Session 1 Stellar Rotation and Gyrochronology (Chair: TBA)*
 8:30-9:00 [Ruth Angus \(invited\): The Kepler revolution: stellar rotation and activity in clusters and the field](#)
 9:00-9:15 Jason Curtis: Building Precision Stellar Clocks with Kepler and Gaia
 9:15-9:30 Beate Stelzer: The rotation-activity-age relation of M dwarfs in the era of Kepler and K2
 9:30-9:45 Lauren Doyle: The Rotational Phase distribution of Stellar Flares on M dwarfs
 9:45-10:00 Joshua Reding: The Confluence of Hardware Failures That Lead to the Discovery of the Most Rapidly Rotating Isolated White Dwarf
- 10:00-10:30 *Break*
- Session 2 Exoplanets Over Time (Chair: TBA)*
 10:30-11:00 [Andrew Mann \(invited\): Tracing Planetary Evolution with K2](#)
 11:00-11:15 Ann Marie Cody: Young Stars in the Time Domain: the View with Kepler
 11:15-11:30 Eric Gaidos: What Orbits a Mysterious Young “Dipper” Star in Taurus?
 11:30-11:45 Laura Venuti: A dynamical view of star-disk interaction processes in the Lagoon Nebula with Kepler/K2
 11:45-12:00 Samuel Grunblatt: Planetary Archaeology: Exploring the Planet Population of Evolved Stars

- 12:00-13:30 *Lunch*
- Session 3 Fundamental Stellar Parameters (Chair: TBA)*
- 13:30-14:00 [Patrick Gaulme \(invited\): Asteroseismology, Red Giants, and Eclipsing Binaries](#)
- 14:00-14:15 Timothy White: Testing asteroseismic ages of red giants with the Hyades
- 14:15-14:30 Benjamin Pope: Naked-Eye Stars in Kepler and K2
- 14:30-14:45 Dominic Bowman: Blue supergiants reveal diverse pulsational variability in K2 photometry
- 14:45-15:00 Simon Murphy: Pulsating Stars in Binaries

15:00-15:30 *Break*

- Session 4 Planetary Architectures (Chair: TBA)*
- 15:30-16:00 [Lauren Weiss \(invited\): Planetary System Architectures and Dynamics](#)
- 16:00-16:15 Jack Lissauer: Architecture and Dynamics of Kepler's Multi-Transiting Planet Systems: Comprehensive Investigation Using All Four Years of Kepler Mission Data
- 16:15-16:30 Darin Ragozzine: Getting more out of information-rich Kepler multits that show TTVs
- 16:30-16:45 Sarah Millholland: Obliquity Tides and their Role in Understanding the Kepler Planet Period Ratio Distribution
- 16:45-17:00 Miranda Herman: Revisiting the Long-Period Transiting Planets from Kepler
- 17:00-18:30 *Poster Session II*

Friday, March 8, 2019

- Session 1 Internal Rotation and Asteroseismology (Chair: TBA)*
- 8:30-9:00 [Sebastian Deheuvels \(invited\): Monitoring the internal rotation of stars along their evolution with Kepler](#)
- 9:00-9:15 Jim Fuller: A Solution to the Slow Spins of Stellar Cores
- 9:15-9:30 Barbara Endl: Asteroseismology of white dwarfs observed by Kepler and K2
- 9:30-9:45 Roberto Szabo: Classical pulsating variables in the Kepler/K2 era
- 9:45-10:00 Katrien Kolenberg: RR Lyr, an old friend in a new light, with Kepler
- 10:00-10:30 *Break*
- Session 2 Kepler/K2 Follow-Up Programs (Chair: TBA)*
- 10:30-10:45 David Ciardi: The Legacy of Kepler and K2: The Follow-up Observation Programs

- 10:45-11:00 David Latham: Contributions from HARPS-N to the Mass-Radius Diagram for Kepler/K2 Planets
- 11:00-11:15 Erik Petigura: Metal-rich Stars Host a Greater Diversity of Planets
- 11:15-11:30 Cintia Fernanda Martinez: An Independent Spectroscopic Analysis of the California-Kepler Survey Sample: A Slope in the Small Planet Radius Gap
- 11:30-11:45 Eric Mamajek: Small (In)temperate Planets: A Closer Look at Habitable Zone Terrestrial-sized Planet Candidates
- 11:45-12:00 Ian Crossfield: Atmospheric Characterization of Kepler/K2 Planets
- 12:00-13:30 *Lunch*
- 13:30-13:45 *Poster Competition Winners (2x7 min)*
- Session 3 Solar System Science, Other Missions, and Reflections (Chair: TBA)*
- 13:45-14:00 Andras Pal: New results with K2 in Solar System exploration
- 14:00-14:15 Jessie Dotson: Observations of Solar System Objects with K2
- 14:15-14:30 Andrea Fortier: The CHEOPS Mission
- 14:30-14:45 George Ricker: The TESS Mission: Current Status and Future Plans
- 14:45-15:15 [Jessie Christiansen \(invited\): Reflections](#)
- 15:15 *End of Conference*

Kepler & K2 Science Conference V Program

	Monday March 4	Tuesday March 5	Wednesday March 6	Thursday March 7	Friday March 8
Session 1 (8.30am-10.00am)	<i>Kepler/K2 Mission History and Future (Chair: TBA)</i>	<i>Kepler Benchmark Systems (Chair: TBA)</i>	<i>Galactic Archaeology (Chair: TBA)</i>	<i>Stellar Rotation and Gyrochronology (Chair: TBA)</i>	<i>Internal Rotation and Asteroseismology (Chair: TBA)</i>
8:30-8:45	Bill Borucki (invited): History of the Kepler Mission	Sarah Ballard (invited): Lessons from the Multi-planet Systems	Marc Pinsonneault (invited): Galactic Archeology with Kepler and K2	Ruth Angus (invited): The Kepler revolution: stellar rotation and activity in clusters and the field	Sebastian Deheuvels (invited): Monitoring the internal rotation of stars along their evolution with Kepler
8:45-9:00					
9:00-9:15	Katellynn McCalmont (invited): Flying the Kepler Spacecraft's Second Mission: K2 Operations	Christopher Shallue: Can deep learning help find Earth analogues?	Dennis Stello: The K2 Galactic Archaeology Program: revealing the jigsaw puzzle one campaign at a time	Jason Curtis: Building Precision Stellar Clocks with Kepler and Gaia	Jim Fuller: A Solution to the Slow Spins of Stellar Cores
9:15-9:30		Michelle Hill: Exploring Kepler Giant Planets in the Habitable Zone	Jie Yu: Ensemble asteroseismology of 20,000 oscillating red giants observed by Kepler	Beate Stelzer: The rotation-activity-age relation of M dwarfs in the era of Kepler and K2	Barbara Endl: Asteroseismology of white dwarfs observed by Kepler and K2
9:30-9:45	Douglas Caldwell: The Kepler photometer	Kai Rodenbeck: Revisiting the exomoon candidate signal around Kepler-1625 b	Rafael Garcia: A Comprehensive Full Kepler Red Giant Legacy Catalog	Lauren Doyle: The Rotational Phase distribution of Stellar Flares on M dwarfs	Roberto Szabo: Classical pulsating variables in the Kepler/K2 era
9:45-10:00	Geert Barentsen: Kepler's Discoveries Will Continue: 21 Scientific Opportunities with Kepler & K2 Archive Data	Ashley Chontos: The Curious Case of KOI-4: Confirming Kepler's First Exoplanet	Daniel Huber: An Asteroseismic Age for the Galactic Halo Measured with Distant Kepler Giants	Joshua Reding: The Confluence of Hardware Failures That Lead to the Discovery of the Most Rapidly Rotating Isolated White Dwarf	Katrien Kolenberg: RR Lyr, an old friend in a new light, with Kepler
Break (10am-10.30am)					
Session 2 (10.30am-12pm)	<i>Precise Stellar and Planetary Radii (Chair: TBA)</i>	<i>K2 Benchmark Systems (Chair: TBA)</i>	<i>Binaries, Exoplanets, and Citizen Science (Chair: TBA)</i>	<i>Exoplanets Over Time (Chair: TBA)</i>	<i>Kepler/K2 Follow-Up Programs (Chair: TBA)</i>
10:30-10:45	Mia Lundkvist (invited): Asteroseismology of exoplanet host stars from the Kepler/K2 missions	Andrew Vanderburg (invited): Benchmark Exoplanet Systems Discovered by the K2 Mission	Adam Kraus: The Perilous Lives of Planets in Binary Star Systems	Andrew Mann (invited): Tracing Planetary Evolution with K2	David Ciardi: The Legacy of Kepler and K2: The Follow-up Observation Programs
10:45-11:00			Rachel Matson: Detecting Unresolved Binaries in Exoplanet Transit Surveys with Speckle Imaging		David Latham: Contributions from HARPS-N to the Mass-Radius Diagram for Kepler/K2 Planets

11:00-11:15	Vincent Van Eylen: Understanding planet formation through asteroseismology	Juliette Becker: Dynamically Determining Observationally Ill-Constrained Planet Parameters: Towards Precise Transit Ephemerides for the Benchmark System HIP 41378	Nicole Hess: Identifying Bound Stellar Companions to Kepler Exoplanet Host Stars With Speckle Imaging	Ann Marie Cody: Young Stars in the Time Domain: the View with Kepler	Erik Petigura: Metal-rich Stars Host a Greater Diversity of Planets
11:15-11:30	Hilke Schlichting: Observational Signatures of the Core-Powered Mass-Loss Mechanism: The Radius Valley as a Function of Stellar Mass	Kevin Hardegree-Ullman: Space Telescope Synergy: Spitzer Follow-up of K2 Targets	Wei Zhu: Many Kepler planets have distant companions	Eric Gaidos: What Orbits a Mysterious Young "Dipper" Star in Taurus?	Cintia Fernanda Martinez: An Independent Spectroscopic Analysis of the California-Kepler Survey Sample: A Slope in the Small Planet Radius Gap
11:30-11:45	Travis Berger: Precise Characterization of Kepler Stars and Planets Using Gaia DR2	Joey Rodriguez: K2-266: A Compact Multi-Planet System With A Planet That Is "Way Out of Line"	Chris Lintott (invited): Citizen Science with Kepler and K2	Laura Venuti: A dynamical view of star-disk interaction processes in the Lagoon Nebula with Kepler/K2	Eric Mamajek: Small (In)temperate Planets: A Closer Look at Habitable Zone Terrestrial-sized Planet Candidates
11:45-12:00	Benjamin Fulton: Revisiting the Radius Gap in the Era of Gaia	Fei Dai: New perspective on the ultra-short-period planets		Samuel Grunblatt: Planetary Archaeology: Exploring the Planet Population of Evolved Stars	Ian Crossfield: Atmospheric Characterization of Kepler/K2 Planets
Lunch (12pm-1.30pm)					
Session 3 (1.30pm-3pm)	<i>Stellar Magnetism and Activity (Chair: TBA)</i>	<i>Microlensing and Accretion Physics (Chair: TBA)</i>	<i>Simultaneous Breakout Sessions I</i>	<i>Fundamental Stellar Parameters (Chair: TBA)</i>	<i>Solar System Science, Other Missions, and Reflections (Chair: TBA)</i>
1:30-1:45	Matteo Cantiello: Internal Magnetic Fields Asteroseismology: Kepler's Legacy and TESS's opportunities	Domenico Nardiello: High-precision photometry of stars in K2 crowded fields - A PSF-based approach to K2 data	David Soderblom: Opportunities and limitations of the cluster data from Kepler/K2 Geert Barentsen/Christina Hedges: The Lightkurve package for Kepler & TESS data analysis: tutorials and consulting breakout	Patrick Gaulme (invited): Asteroseismology, Red Giants, and Eclipsing Binaries	Poster Competition Winners (2x7 min)
1:45-2:00	Angela Santos: Seismic signatures of magnetic activity in solar-type stars observed by Kepler	Sebastiano Calchi Novati: An isolated microlens observed from K2, Spitzer and Earth			Andras Pal: New results with K2 in Solar System exploration
2:00-2:15	Ellianna Schwab Abrahams: The Fundamental and Magnetic Characteristics of M Dwarfs in the Kepler Field	Krista Lynne Smith (invited): Kepler/K2 and Active Galactic Nuclei: New Insights into Accretion and High Energy Phenomena			Timothy White: Testing asteroseismic ages of red giants with the Hyades

2:15-2:30	Michael Gully-Santiago: K2 constraints on stellar surface inhomogeneities and their systematic bias of transit-derived exoplanet densities		Eric Feigelson: Finding Planets in Kepler lightcurves with R	Benjamin Pope: Naked-Eye Stars in Kepler and K2	Andrea Fortier: The CHEOPS Mission
2:30-2:45	Sharon Xuesong Wang: RVxK2: Using Simultaneous Kepler Photometry to Mitigate Stellar Jitter	Paula Szkody: Insights into Accretion in Cataclysmic Variables Gleaned from Kepler		Dominic Bowman: Blue supergiants reveal diverse pulsational variability in K2 photometry	George Ricker: The TESS Mission: Current Status and Future Plans
2:45-3:00	Lisa Bugnet: FlIPer: a powerful tool to detect and characterise Solar-like pulsators	Ryan Ridden-Harper: Hunting transients in K2 with the K2: Background Survey		Simon Murphy: Pulsating Stars in Binaries	Jessie Christiansen (invited): Reflections
Break (3pm-3.30pm)					
Session 4 (3.30pm-5pm)	<i>Exoplanet Occurrence Rates (Chair: TBA)</i>	<i>Extragalactic Science (Chair: TBA)</i>	<i>Simultaneous Breakout Sessions II</i>	<i>Planetary Architectures (Chair: TBA)</i>	
3:30-3:45	Courtney Dressing (invited): Probing the Frequency of Planetary Systems with Kepler and K2	Peter Garnavich (invited): Better Understanding Supernovae from Kepler/K2 Observations	Ann Marie Cody: A Crowded Field Photometry Challenge Michael Gully-Santiago: Modeling correlated noise with Gaussian processes	Lauren Weiss (invited): Planetary System Architectures and Dynamics	End of Conference (3:15pm)
3:45-4:00					
4:00-4:15	Gijs Mulders: Exoplanet population synthesis in the era of large exoplanets surveys	Georgios Dimitriadis: K2 Observations of SN 2018oh Reveal a Two-Component Rising Light Curve for a Type Ia Supernova	Lee Rosenthal: RadVel: The Radial Velocity Fitting Toolkit	Jack Lissauer: Architecture and Dynamics of Kepler's Multi-Transiting Planet Systems: Comprehensive Investigation Using All Four Years of Kepler Mission Data	
4:15-4:30	Timothy Morton: The Probabilistic Validation Revolution: How Kepler Forced a Paradigm Shift in How We Treat Transiting Planet Candidates	Thomas Holoiien: ASASSN-18bt: Evidence for Nickle on the Surface of a Type Ia Supernova found by the rising K2 light curve		Darin Ragozzine: Getting more out of information-rich Kepler multis that show TTVs	
4:30-4:45	Marko Sestovic: The occurrence rate of planets around ultracool dwarfs	Edward Shaya: A Tidal Disruption Event in a Seyfert 2 Observed with K2		Sarah Millholland: Obliquity Tides and their Role in Understanding the Kepler Planet Period	

				Ratio Distribution	
4:45-5:00	Christina Hedges: Are there any more planets in the Kepler / K2 data?	Armin Rest: A Fast-Evolving, Luminous Transient Discovered by K2/Kepler		Miranda Herman: Revisiting the Long-Period Transiting Planets from Kepler	
Evening Session (5pm-6.30pm)		<i>Poster Session I</i>		<i>Poster Session II</i>	

List of Contributed Posters

Name	Institution	Topic	Title
Andrade, Laerte	Universidade Estadual de Ponta Grossa	Asteroseismology	Looking for outbursts and characterizing B/Be stars in K2 fields
Barclay, Thomas	NASA GSFC / UMBC	Exoplanets	Simultaneous, multi-wavelength flare observations of nearby low-mass stars from Earth and space
Beatty, Thomas	University of Arizona	Stellar Astrophysics/Activity/ Clusters/Rotation	The Curious Case of CWW 89Ab: a Brown Dwarf With a Measured Mass, Radius, and Age
Bedding, Tim	University of Sydney	Asteroseismology	Gravity modes with Kepler: the gift that keeps on giving
Berardo, David	Massachusetts Institute of Technology	Exoplanets	Revisiting the Five Planet HIP41378 system with K2 and Spitzer
Bieryla, Allyson	Center for Astrophysics Harvard & Smithsonian	Exoplanets	Follow-up of K2 Validated Planet Candidates from TFOP-SG1
Boisvert, John	UNLV	Exoplanets	Radial Velocity Model Comparison Near the 2:1 Degeneracy
Bryson, Steve	NASA Ames Research Center	Exoplanets	Bayesian Computation of Kepler DR25 Vetting Completeness and Reliability
Carmichael, Theron	Harvard University	Other	Exploring the Brown Dwarf Desert: Short-period substellar companions from the Kepler and K2 missions
Ceja, Alma	University of California, Riverside	Other	The Search for Extraterrestrial Life: An Astro-ecological Modeling Approach for Characterizing Exoplanet Habitability
Childs, Anna	University of Nevada, Las Vegas	Data/Statistical/Numerical Methods	The Importance of High Resolution Collision Models in N-body Studies
Colon, Knicole	NASA Goddard Space Flight Center	Exoplanets	The K2 Near-Infrared Transit Survey (KNITS)
Coughlin, Jeffrey	NASA Ames / SETI Institute	Missions: Past, Current, & Future	The K2 Mission Global Uniform Reprocessing Effort
Coughlin, Jeffrey	SETI Institute / NASA Ames	Other	Lessons Learned and Fascinating Finds from a Manual Vetting of Conflicted KOIs
Crossfield, Ian	MIT	Exoplanets	Kepler/K2 + TESS -- Double-barrelled Photometry
Curtis, Jason	Columbia University	Exoplanets	K2-231 b: A Sub-Neptune Exoplanet Transiting a Solar Twin in Ruprecht 147
Dalba, Paul	UC Riverside	Exoplanets	Transit Ephemeris Refinement of Long-period Exoplanets with Substantial TTVs
David, Trevor	NASA JPL	Stellar Astrophysics/Activity/ Clusters/Rotation	Age Determination in Upper Scorpius with Eclipsing Binaries
Debski, Bartłomiej	Astronomical Observatory, Jagiellonian University	Stellar Astrophysics/Activity/ Clusters/Rotation	The light curve evolution in contact binaries observed with the Kepler Spacecraft
Dhara, Atirath	West Windsor Plainsboro High School South	Exoplanets	Using Image Subtraction to Search for Planets in M67

Dholakia, Shashank	University of California, Berkeley	Exoplanets	Mind the Gap 2: Period Constraints for Long-Period Planets in Overlapping Fields
Dholakia, Shishir	University of California Berkeley	Exoplanets	Mind the Gap 1: New Constraints for Six Planet Candidate Systems in K2 C5, C16, and C18 data
Eisberg, Joann	Chaffey College	Other	New Astronomy Reviews Special Issue: History of Major Kepler Exoplanet Discoveries
Emilio, Marcelo	Universidade Estadual de Ponta Grossa	Stellar Astrophysics/Activity/ Clusters/Rotation	Photometry and spectroscopy analysis of eight A and B stars in Kepler K2 Campaign 8
Endl, Michael	Univeristy of Texas at Austin	Exoplanets	Characterization of the stellar population in the Kepler field with the VIRUS array at the Hobby-Eberly Telescope
Fabrycky, Daniel	University of Chicago	Exoplanets	Scientific value of revisiting planetary systems with transit timing variations
Feigelson, Eric	Penn State University	Data/Statistical/Numerical Methods	AutoRegressive Planet Search: A new statistical approach to exoplanet transit detection
Fetherolf, Tara	University of California Riverside	Stellar Astrophysics/Activity/ Clusters/Rotation	Stellar Properties of KIC 8736245: A Sub-Synchronous Kepler Eclipsing Binary with a Solar-type Star Leaving the Main Sequence
Fleming, Jordan	UC Berkeley	Exoplanets	A Refined Transit Measurement for K2 Planetary Candidate EPIC 206061524.01 Orbiting an M Dwarf
Fridlund, Malcolm	Leiden Observatory and Chalmers university of Technology	Exoplanets	The KESPRINT collaboration
Ganesh, Abhinav	Caltech	Exoplanets	Project PANOPTES: Detecting Transiting Exoplanets with a Low-Cost Robotic Observatory
Gilda, Sankalp	University of Florida	Data/Statistical/Numerical Methods	Adaptive Kalman Filter-based Wavelet Shrinkage Denoising of Stellar Spectra
Gratia, Pierre	Northwestern University	Exoplanets	Eccentricities and the Stability of Closely-Spaced Five-Planet Systems
Greklek-McKeon, Michael	University of Maryland, College Park	Stellar Astrophysics/Activity/ Clusters/Rotation	Revealing the Variability of Naked-Eye Ecliptic Stars with K2 Halo Photometry
Gupta, Akash	UCLA	Exoplanets	Understanding the Radius Valley in the Distribution of Small, Close-in Exoplanets: Relevance of Core-Powered Mass-Loss Mechanism
Hamann, Aaron	University of Chicago	Exoplanets	K2-146: Discovery of Planet c, Masses from Transit Timing, and Observed Precession
Hasegawa, Yasuhiro	JPL/Caltech	Exoplanets	Core accretion and the composition of exoplanets observed by the Kepler telescope
Henderson, Calen	Caltech/IPAC	Exoplanets	A Keck Target-of-Opportunity Program in Search of Free-floating Planets During K2's Campaign 9
Howell, Steve	NASA Ames Research Center	Exoplanets	Speckle Interferometric Time-Series Transit Observations of Kepler-13
Huang, Chenliang	University of Nevada, Las Vegas	Exoplanets	Revisiting the mass-radius relation of super Earth with new ice EOS measurement
Isaak, Kate	ESTEC	Exoplanets	The ESA CHEOPS Guest Observers Programme
Kitiashvili, Irina	NASA Ames Research Center	Stellar Astrophysics/Activity/ Clusters/Rotation	3D Radiative Hydrodynamics Modeling of Convection of Stars From F to M Types to Probe Their Interiors and Photospheric Properties

Kjeldsen, Hans	Stellar Astrophysics Centre, Aarhus University	Exoplanets	Accurate measurement of properties for exoplanets that orbit very close to their host stars
Kosiarek, Molly	UC Santa Cruz	Exoplanets	EPIC 247418783 b: A rocky super-Earth in a 2.2 day orbit
Kosovichev, Alexander	New Jersey Institute of Technology	Asteroseismology	Resolving Power of Asteroseismic Inversion of the Kepler Legacy Sample
Kosovichev, Alexander	New Jersey Institute of Technology	Stellar Astrophysics/Activity/Clusters/Rotation	What Sets the Magnetic Field Strength and Cycle Period in Solar-Type Stars?
Kruse, Ethan	NASA Goddard Space Flight Center	Exoplanets	Toward a Comprehensive Planet Search
Li, Min	University of Nevada, Las Vegas	Exoplanets	Disk evolution and chemical compositions in the rocky planets/planetesimals
Lillo-Box, Jorge	European Southern Observatory (ESO)	Exoplanets	Using Kepler data to unveil the occurrence rate of co-orbital planets
Lisse, Carey	Johns Hopkins University Applied Physics Lab	Other	Know Thy Star, Know Thy Planet: NIR Spectral Measurements of Primary Star Atomic Abundances in Kepler THZ Planet Systems
Littlefield, Colin	University of Notre Dame	Stellar Astrophysics/Activity/Clusters/Rotation	Short-cadence K2 observations of an accretion-state transition in Tau 4, the first polar observed by Kepler
Luger, Rodrigo	Flatiron Institute	Exoplanets	Gradient-based inference techniques for exoplanet light curves
Lund, Mikkel	Stellar Astrophysics Centre (SAC)	Stellar Astrophysics/Activity/Clusters/Rotation	A seismic view of the open cluster Ruprecht 147
Mathur, Savita	Instituto de Astrofisica de Canarias	Asteroseismology	On understanding the non detection of acoustic modes in solar-like stars observed by Kepler
Mayo, Andrew	UC Berkeley	Exoplanets	Measuring the Masses of Long-Period Planets Kepler-538 b and Kepler-37 d
Mighell, Kenneth	SETI Institute / NASA Ames	Data/Statistical/Numerical Methods	Kepler K2 Cadence Events: A Data Visualization and Manipulation Tool to Improve the Scientific Return of Light Curve Files and Target Pixel Files from the Kepler, K2 and TESS Missions
Montet, Benjamin	University of Chicago	Exoplanets	Transiting Planet Candidates in NGC 6791
Montgomery, Michele	UCF	Stellar Astrophysics/Activity/Clusters/Rotation	Algols and Other EBs in Kepler & K2 - Revised and New Data
Namekata, Kosuke	Kyoto University	Stellar Astrophysics/Activity/Clusters/Rotation	Lifetimes and Emerging/Decay Rates of Star Spots on Solar-type Stars Estimated by Kepler Data in Comparison with Those of Sunspots
Nimmakayala, Srinitha	Universidad Complutense de Madrid	Exoplanets	Validation of terrestrial planets with high spatial resolution imaging.
Niraula, Prajwal	MIT	Exoplanets	Discovery of Optical Phase Curves with K2
Olenick, Richard	University of Dallas	Other	Kepler Observations of the Dwarf Nova EPIC 220615486 (J011613.76+092215.9) in Outburst
Olenick, Richard Thompson, Alexander	University of Dallas	Stellar Astrophysics/Activity/Clusters/Rotation	Evidence of Mass Transfer and Possible Third Body from Photometric Analysis and Modeling of KIC 2708156
Oloketuyi, Jacob	Yunnan Astronomical Observatories, Chinese Academy of Sciences	Solar System Science	The Analysis of Periodic Variation of Sunspot Groups and the X-ray Flare Classes

Owen, James	Imperial College London	Exoplanets	Insights from the "evaporation valley"
PAUDEL, RISHI	University of Delaware	Stellar Astrophysics/Activity/ Clusters/Rotation	A study of white light flare rates of M5-L5 spectral types using K2 data
Poleski, Radosław	Ohio State University	Exoplanets	Photometry of K2 Bulge Data
Potter, Franklin	Ret: U C Irvine	Solar System Science	Planetary System Stability via Quantum Celestial Mechanics
Prsa, Andrej	Villanova University	Data/Statistical/Numerical Methods	Detrending Kepler/K2 data using strictly periodic variables
Rampalli, Rayna	Columbia University	Stellar Astrophysics/Activity/ Clusters/Rotation	How Long Do Bees Buzz? Examining Light Curve Evolution For Low-Mass Stars In Praesepe
Ramsay, Gavin	Armagh Observatory	Stellar Astrophysics/Activity/ Clusters/Rotation	Kepler and K2 observations of cataclysmic variables
Rebull, Luisa	Caltech-IPAC/IRSA	Stellar Astrophysics/Activity/ Clusters/Rotation	Rotation in Taurus with K2
Rice, David	University of Nevada, Las Vegas	Exoplanets	The effect of differentiated collisions on the interiors of terrestrial planets
Rivodo Rodriguez, Vanesa	University of Central Florida	Exoplanets	Orbital Mechanics Study of Kepler/K2 System Formations
Rogers, James	Imperial College London	Exoplanets	A Bayesian Hierarchical Model for the Planetary Distributions in our Galaxy
Santos, Angela	Space Science Institute	Stellar Astrophysics/Activity/ Clusters/Rotation	Surface rotation, photometric activity, and active region lifetimes for Kepler targets
Saunders, Nicholas	Kepler/K2 GO Office, NASA Ames	Data/Statistical/Numerical Methods	Forward modeling pixel data: applications to Kepler/K2 and future missions
Scaringi, Simone	Texas Tech University	Stellar Astrophysics/Activity/ Clusters/Rotation	Universal properties of accretion-induced variability
Schlawin, Everett	University of Arizona	Exoplanets	Back to "Normal" for the Disintegrating Planet Candidate KIC 12557548 b
Scott, Nicholas	NASA ARC/BEARI	Exoplanets	Diffraction-limited Imaging for Exoplanet Characterization
Sheets, Holly	Albion College	Exoplanets	A search for refraction in the Kepler gas giant data set
Shporer, Avi	MIT	Exoplanets	Extending the sample of transiting warm Jupiters with K2
Singh, Raghubar	Indian Institute of Astrophysics India	Asteroseismology	Asteroseismic and spectroscopic study of Li-rich red giants
Soares, Melinda	Princeton University	Stellar Astrophysics/Activity/ Clusters/Rotation	Using Image Subtraction to Search for Planets and Variables in M35, NGC 2158, M44 and M67
Socia, Quentin	San Diego State University	Exoplanets	The Discovery of a Transiting Circumbinary Planet in KOI-3152
Stauffer, John	Grove Colony HOA	Stellar Astrophysics/Activity/ Clusters/Rotation	More Enigmatic M Dwarf Light Curves in Upper Sco

Steffen, Jason	University of Nevada, Las Vegas	Exoplanets	The distribution of orbital period ratios and system architecture from dynamical sculpting
Sudol, Jeffrey	West Chester University	Exoplanets	On the Possibility of Habitable, Trojan Planets in the Kepler Circumbinary Planetary Systems
Taylor, Stuart	Participation Worldscope/Okapi Architecture	Exoplanets	The Distribution of Planet Parameters Provides Essential Constraints For Understanding Planet Formation.
Thao, Pa Chia	University of North Carolina at Chapel Hill	Exoplanets	The Young Exoplanet K2-25b: Flat Spectrum and High Eccentricity
Thompson, Alexander	University of Dallas	Stellar Astrophysics/Activity/ Clusters/Rotation	Analysis of KIC 2708156
Thorngren, Daniel	University of California, Santa Cruz	Exoplanets	Reinflation of Hot Jupiters by Brightening Main Sequence Stars
Torres, Guillermo	Harvard-Smithsonian Center for Astrophysics	Stellar Astrophysics/Activity/ Clusters/Rotation	The eclipsing binary EPIC 219394517 in the open cluster Ruprecht 147
Vanderbosch, Zach	University of Texas at Austin	Asteroseismology	Pulsating Helium White Dwarfs in the Age of Kepler/K2
Vissapragada, Shreyas	Caltech	Exoplanets	Space-like infrared photometry of Kepler TTV systems with Palomar/WIRC
Wang, Songhu	Yale	Exoplanets	Kepler-730: A hot Jupiter with an additional, close-in transiting Earth-sized planet
Wells, Mark	PSU & Villanova	Data/Statistical/Numerical Methods	Reconciling the observed Kepler Eclipsing Binary Sample with Population Models
Wittenmyer, Rob	University of Southern Queensland	Exoplanets	Revised planetary and host parameters for K2 planet candidates from AAT/HERMES: Complete results C1-C13
Yenawine, Mitchell	San Diego State University	Stellar Astrophysics/Activity/ Clusters/Rotation	The Apsidal Motion Constants in the Triple Star System KOI-126
Zhang, Shangjia	University of Nevada, Las Vegas	Exoplanets	Gaps and Rings in ALMA Observations of Protoplanetary Disks: Implications for the Young Planet Population
Zhu, Wei	Canadian Institute for Theoretical Astrophysics	Exoplanets	There is no Kepler dichotomy
Zink, Jon	UCLA	Exoplanets	Transit Multiplicity in Planet Occurrence Rates