Session I  2:00 – 3:15

2:00 – 2:15
Transformative Properties of Galaxy Environments
Desjardins, Tyler; Rudnick, Gregory
University of Kansas

2:15 – 2:30
Surface density of dust-obscured galaxies around galaxy clusters at a redshift $\geq 1.3$
Saha, Ripon; Brodwin, Mark
University of Missouri-Kansas City

2:30 – 2:45
Dust-Obscured Star Formation in Galaxy Clusters at $z \geq 1.3$ Via a Herschel Stacking Analysis
Nair$^1$, Dave; Brodwin$^1$, Mark; Rettura$^2$, Alessandro; Tyler$^1$, Krystal
University of Missouri- Kansas City$^1$; JPL$^2$

2:45 – 3:00
The Galaxy Age/Mass Relation in a $z=1.62$ Cluster
Lee-Brown, Donald; Rudnick, Gregory
University of Kansas

3:00 – 3:15
Galaxy Populations in IDCS 1426.5+3508 at $z=1.75$
Shanaberger, Daniel; Brodwin, Mark
University of Missouri-Kansas City

BREAK:  3:15 – 3:45

SESSION II  3:45 – 4:45

3:45 – 4:00
The Star Formation History of the Nearest OB Association
Pecaut, Mark J.; Mamajek, Eric E.
Rockhurst University; University of Rochester

4:00 – 4:15
Death from the Skies
Melott, Adrian
University of Kansas

4:15 – 4:30
Death from the Skies? Or… Not so much?
Thomas, Brian; Neale, Patrick
Washburn University; Smithsonian Environmental Research Center
4:30 – 4:45
*Studying Variable Stars with Undergraduate Students at the University of Nebraska Kearney*
Powell, W. Lee; Ryan, Austin
University of Nebraska-Kearney

**BREAK: 4:45 – 5:00**

**SESSION III 5:00 – 6:00**

5:00 – 5:15
*Gravitational wave detection: Historical context and future prospects*
Kennefick, Daniel
University of Arkansas

5:15 – 5:30
*Enhancing Structural and Interaction Feature Contrast in SDSS Galaxies*
Newman, Patrick
University of Missouri-Kansas City

5:30 – 5:45
*Recently Quenched Galaxies in the SDSS*
Luttrell, Colton; McIntosh, Daniel
University of Missouri-Kansas City

5:45 – 6:00
*Evolution of the SFR-Density Relation in Clusters From 0.2 < z < 1.5*
Tyler, Krystal; Brodwin, Mark
University of Missouri-Kansas City

**SATURDAY APRIL 09, 2016 9:00 – 4:30**
**Miller Nichols Learning Center (= the library) ROOM 451**
**REGISTRATION: 9:00 – 9:30**

**Session IV 9:30 – 11:00**

9:30 – 9:45
*Constraining the Major Merging History of Massive Galaxies from z = 3 to z ~ 0 using Close Pairs from CANDELS and SDSS*
Mantha, Kameswara Bharadwaj; McIntosh, Daniel H.; CANDELS collaboration
University of Missouri-Kansas City

9:45 – 10:00
*Quantifying the Effect of WISE Data on Euclid Stellar Mass Measurements*
Brown, Gillen; Brodwin, Mark
University of Missouri-Kansas City

10:00 – 10:15
*Merger Fractions in Intermediate Redshift EDIsCS Clusters*
Deger, Sinan; Rudnick, Gregory
University of Kansas
10:15 – 10:30
Less Mocking Please: Estimating the Power Spectrum Covariance Matrix with Fewer Mock Samples
Pearson, David W.; Samushia, Lado
Kansas State University

10:30 – 10:45
Non-Gaussian Error Distributions of Milky Way Rotation Curve Data
Crandall, Sara; Camarillo, Tia; Ratra, Bharat
Kansas State University

10:45 – 11:00
Observations of Exoplanets with the Kepler Spacecraft
Dulz, Shannon; Reed, Mike
Missouri State University

BREAK: 11:00 – 11:15

SESSION V 11:15 – 12:15 INVITED TALK
Dr. Bret D. Lehmer
Department of Physics, University of Arkansas, Fayetteville
X-ray Evolution of Galaxies Through the Eons: New Insight From Extragalactic Surveys

LUNCH 12:15 – 1:30

SESSION VI 1:30 – 3:00
1:30 – 1:45
An Updated Look At The Initial-Final Mass Relation With Five Open Clusters
Canton¹, Paul; Williams², Kurtis; Kilic¹, Mukremin; Gianninas¹, Alex
University of Oklahoma¹; Texas A&M²

1:45 – 2:00
Analysis of Co-spatial UV-Optical STIS Spectra of Seven Planetary Nebulae from HST Cycle 19 GO 12600
Miller¹, Timothy; Henry³, Richard; Balick⁴, Bruce; Kwitter⁴, Karen; Dufour⁴, Reginald; Shaw⁵, Richard; Corradi⁶, Romano
University of Oklahoma¹; University of Washington³; Williams College³; Rice University⁴; NOAO⁵; IAC⁶

2:00 – 2:15
VHS J125601.92-125723.9B: A Cloudy, Low-Mass Brown Dwarf in a Hierarchal Triple System
Rich¹, Evan; Wisniewski¹, John; Hashimoto⁵, Jun; Brandt³, Timothy; Carson⁴, Joseph; Currie⁵, Thayne; Kuzuhara⁵, Masayuki; Uyama⁶, Taichi
University of Oklahoma¹;NAOJ⁵; Princeton³; College of Charleston⁴; Tokyo Institute of Technology⁵; The University of Tokyo⁶

2:15 – 2:30
Title Pickup Ions in the Plasma Environments of Mars, Comets, and Enceladus
Cravens⁵, T.E.; Rahmati¹², A.; Madanian¹, H.; Sakai⁴, S.; Larson³, D.; Halekas⁴, J.; Goldstein⁴, R.; Burch⁶, J.
University of Kansas¹; University of California Berkeley³; University of Iowa³; SWRI⁴
2:30 – 2:45

*Electron energetics in the Martian dayside ionosphere: Model comparisons with MAVEN data*

Sakai¹, Shotaro; Andersson², Laila; Cravens³, Thomas E.; Mitchell¹, David L.; Mazelle⁴, Christian; Rahmati³, Ali; Fowler², Christopher M.; Bouger², Stephen W.; Epavrier², Francis G.; Fontenla⁶, Juan M.; Mahaffy⁷, Paul R.; Connerney², John E. P.; Jakosky², Bruce M.

University of Kansas¹; LASP, University of Colorado Boulder²; SSL, University of California³; IRAP, CNRS⁴; University of Michigan⁵; NorthWest Research Associates⁶; NASA Goddard Space Flight Center⁷

2:45 – 3:00

*Observations of Titan’s Ionospheric Densities over the 10 Year Time Period of the Cassini Mission*

Madanian¹, Hadi; Cravens¹, Tom; Richard², Matthew; Waite³, Hunter; Edberg⁴, Niklas; Westlake⁵, Joe; Wahlund⁴, Jan-Eric

University of Kansas¹; Benedictine College²; Southwest Research Institute³; Swedish Institute of Space Physics⁴; Johns Hopkins University Applied Physics Lab⁵

BREAK 3:00 – 3:30

SESSION VII 3:30 – 5:00

3:30 – 3:45

*Sub-galactic Star Formation Rates As Derived From Their UV-to-Radio Spectral Energy Distributions*

Eufrasio¹², Rafael; Lehmer¹³, Bret; Dwek⁴, Eli; Arendt⁴, Richard

University of Arkansas-Fayetteville¹; NASA Goddard Space Flight Center²; NASA GSFC³; NASA⁴

3:45 – 4:00

*The Complex Buildup of Massive Galaxies from 11 to 6 Billion Years Ago with CANDELS*

McIntosh, D.H.; Rizer, Z.; + CANDELS Collaboration

University of Missouri-Kansas City

4:00 – 4:15

*The Massive and Distant Clusters of WISE Survey*

Brodwin, Mark; Decker, Bandon and the MaDCoWS Collaboration

University of Missouri-Kansas City

4:15 – 4:30

*Stellar mass fractions of infrared-selected galaxy clusters at z ~ 1*

Decker, Bandon; Brodwin, Mark

University of Missouri-Kansas City

4:30 – 4:45

*Light Pollution in Kirksville*

Gokhale¹, Vayujeet; Caples², David; Fuchs¹, Celene; Hilker¹, Eric; Lorenzen², Kaila; Pankey¹, Steven; Roettgen¹, Ingrid

Truman State University¹; MACC²

4:45 – 5:00

*Extracting High-resolution Spectra from the Pulse Height Analyzer on HISCALE*

Crane, Cameron; Patterson, J. Douglas

Fundamental Technologies
POSTERS

Lithium Depletion Age of the TW Hydrae Association
Boyce, Katie; Pecaut, Mark
Rockhurst University

Status and Upgrades to the Behlen Observatory 30-inch Telescope at the University of Nebraska – Lincoln
Clausen, Shelby; Labeled, Celeste; Schneider, Emma
University of Nebraska-Lincoln

A Study of the Variability of Yellow Supergiant Stars
Crooke, John; Patterson, Robert
Missouri State University

Li Evolution Within the Old Open Cluster, NGC 6819
Deliyannis¹, Constantine P.; Anthony-Twarog², Barbara J.; Lee-Brown², Donald; Twarog², Bruce A.
University of Indiana¹, University of Kansas²

Radio Astronomy Using Consumer Grade Equipment
Hamblin, Jennifer; McDonald, Savanna; Benker, Nicole; Matthew, Hormandl; Aniruddha, Joshi
University of Nebraska-Lincoln

Supernova Event in the Geologic Record Used to Age Upper Scorpius
Hyde, Megan; Pecaut, Mark
Rockhurst University

WIYN Open Cluster Study: Lithium in Red Giants of the Open Cluster NGC 2158
Krolikowski¹, Daniel M.; Steinhauer¹, Aaron J.; Deliyannis², Constantine P.; Twarog³, Bruce A.; Anthony-Twarog³, Barbara J.
State University of New York, College at Geneseo¹, University of Indiana², University of Kansas³

Galaxy Evolution: Building the Passive Fraction of EDisCS Clusters
Mann, Justin
University of Kansas

A Search for AU-Scale C I Structure in the Diffuse ISM
Markwardt, Larissa; Meyer, David M.
University of Arkansas; Northwestern University

A Photometric Study of Three Eclipsing Binary Stars
Ryan¹, Austin; Powell¹, W. Lee; Gokhale², Vayujeet
University of Nebraska-Kearney¹; Truman State University²

Low Mass X-Ray Binary Age and Luminosity Relation
Shattuck, William
University of Arkansas

Stellar Parameters of A- and B-type Members of the Scorpius-Centaurus OB Association
Smith¹, Skylar; Eckelkamp³, Grant; Pecaut¹, Mark; Mamajek², Eric
Rockhurst University¹; University of Rochester²