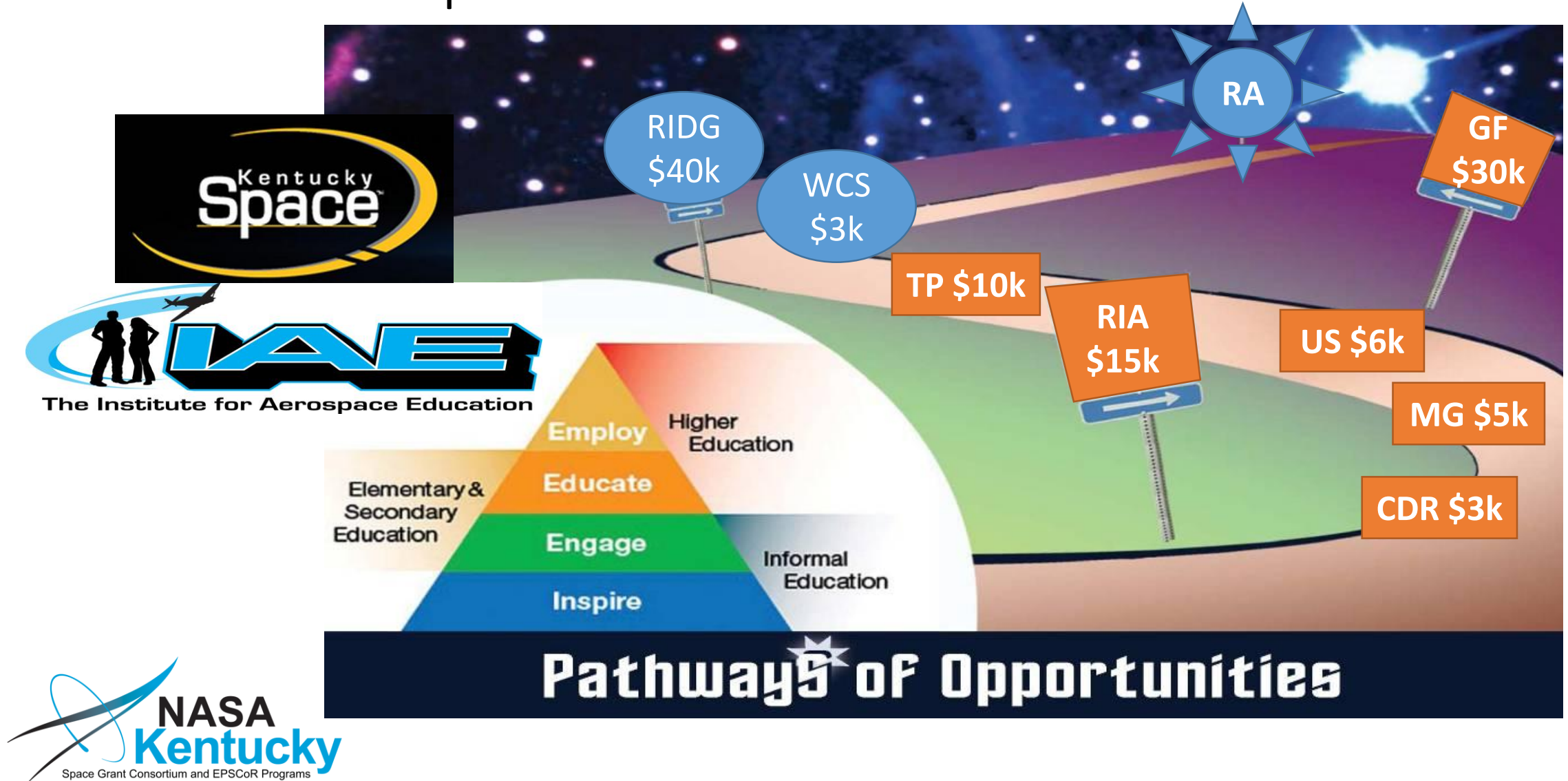


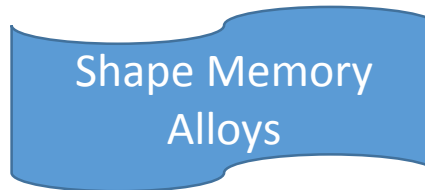
NASA KY Space Grant and EPSCOR Awards



Pathway Success Stories

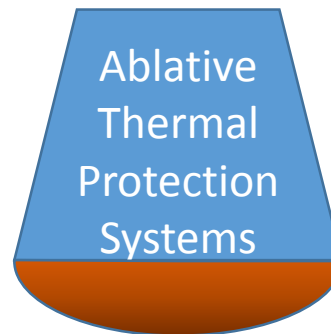
2011 Research Area

- **Haluk Karaca (UK, ME), YT Cheng (UK, MSE)**
 - Pathways of Opportunities
 - US
 - RIDG
 - Expanded Partnerships
 - NASA - ARC, JSC, LaRC
 - Advanced Dynamics Corp - Patrick Hu



2013 Research Area

- **Alexandre Martin, Sean Bailey, Michael Winter (UK, ME)**
 - Pathways of Opportunities
 - US, GF
 - RIDG, WCS
 - Expanded Partnerships
 - NASA - GRC, LaRC
 - KSU - Shi Chen



RA Team Development

- **Jessica Lair (EKU, P&A)**
 - Pathways of Opportunities
 - RIA
 - RA Pre-Proposal Team Member
 - Galaxy Formation
- **Beth Guiton (UK, Chemistry)**
 - Pathways of Opportunities
 - US, GF, RIA
 - RIDG
 - RA Pre-Proposal Team Member
 - Solar Energy
- **Shi Chen (KSU, CS)**
 - RA Team Member
 - RA Pre-Proposal Team Member
 - Computational Electromagnetics

Early Career Faculty Research Areas

Space Power and Energy Storage

Beth Guiton (*UK*, Chemistry)

Nanowire Li-ion Battery Electrodes, *GRC*

Kevin Revell (*MuSU*, Chemistry)

Organic Photovoltaics, *GRC*

Aaron Cramer (*UK*, Elec and Comp Engineering)

Modular Power System Architecture, *ARC*

Astrophysics

Jessica Lair (*EKU*, Physics and Astronomy)

Type Ia Supernovae Late Light Curves, *GSFC*

Kevin Brown (*MoSU*, Earth and Space Systems)

Cosmic X-Ray Background NanoSat, *MSFC*

Astrobiology

Yinan Wei (*UK*, Chemistry)

Biomimetic Membrane Sensing and Separation, *ARC*

Atmospheric Composition

Matthew Nee (*WKU*, Chemistry)

NO_x Vibrational Lineshapes, *JPL*

Space Based Optics

Edward Kintzel (*WKU*, Physics and Astronomy)

Nondestructive Analysis of Large Optics, *MSFC*

Michael Seigler (*UK*, Mechanical Engineering)

Active Shape Control of Membrane Optics, *JPL*

MEMS Spacecraft Attitude Control, *MSFC*