

**COLLEGE ESSAY COMPETITION
WINNERS:**

First Prize:
EMMA WORTHINGTON
Fort Hays State University

Second Prize:
COURTNEY JOHNSON
Kansas State University

Third Prize:
BRYAN CLINE
Wichita State University

**HIGH SCHOOL POSTER COMPETITION
FINALISTS:**

GABRIELLE CARDENAS
NATHAN ERBERT
MAGNOLIA FOSTER
MELVIN LE
ANTONI LEIKER
PARKER NEELY
ALEXIS PFANNENSTIEL
MARIA RODRIGUEZ
TIMOTHY THEISEN
MAGGIE VINDUSKA

**MIDDLE SCHOOL POSTER COMPETITION
FINALISTS:**

ZOE CANFIELD
MAKENNA GERFEN
JEYDEN HERNANDEZ
MACKENZIE HOPKINS
JAZLYNN MERCADO
CARLY NOLAN
JUSTIN SHOEMAKER
AVERY WALZ
JOELLEN VOGT
PRESLEY YOWS

**THIS EVENT WAS MADE
POSSIBLE BY A GRANT FROM THE
NASA KANSAS SPACE GRANT
CONSORTIUM**

CONFERENCE ORGANIZERS:

DR. JAMES S.J. SCHWARTZ (Philosophy)
DR. ATRI DUTTA (Aerospace Engineering)
DR. NICKOLAS SOLOMEY (Physics)

STUDENT VOLUNTEERS:

THANKS ALSO TO:

Jill Fisher
Jeannie Hernandez
Connie Adamek
Scott Miller
Ksenya Gurshtein
WSU Research Office
Fairmount College of Arts and Letters
College of Engineering
Department of Philosophy
Department of Aerospace Engineering
Physics Department
Ulrich Museum
RSC Staff
Jeanette Steinert
Carla Stanfield
Ad Astra Kansas Foundation
Cosmosphere

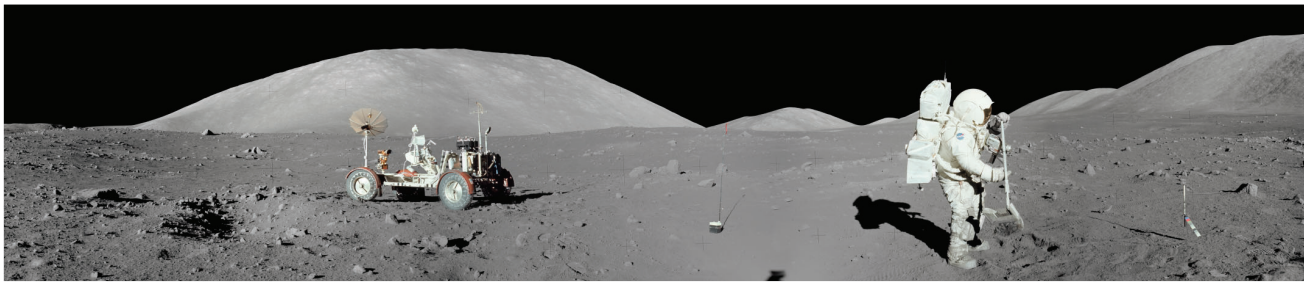
**CELEBRATING THE
SCIENTIFIC LEGACY OF
NASA AND APOLLO**

SYMPOSIUM AND STUDENT COMPETITIONS



**SATURDAY, OCTOBER 19, 2019
RHATIGAN STUDENT CENTER**

 **WICHITA STATE
UNIVERSITY**



9:00am: REGISTRATION (outside the Santa Fe Room)

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MORNING SESSION (SANTA FE ROOM)

- 9:15:** Opening Remarks
 - 9:25:** DAMON PENNER (Wichita State), "Project Gemini: Making 'When' Into 'Now'"
 - 9:50:** COURTNEY JOHNSON (Kansas State), "A Glass Ceiling to the Stars is No Match for Kansas Women"
 - 10:15:** DR. JOSEPH TASH, DR. LANE CHRISTENSON, AND DR. GUSTAVO BLANCO (K.U. Medical Center), "The Apollo Legacy and the Potential for Multigenerational Survival in Space - Ongoing Research at KUMC"
 - 10:40:** **COFFEE BREAK**
 - 10:55:** DR. CHINYERE OKAFOR (Wichita State), "In Touch with Reality - Women Engineers and Equal Rights"
 - 11:20:** DR. DAVID MILLER (Carmel Research Center), "Cosmic Rays and the Voyagers: From Interstellar Space to the Earth and Back Again"
 - 11:45:** IAN VARGA (Florida State), "The Big Question: NASA and the Search for Extraterrestrial Life"
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12:10pm: LUNCH BREAK (on your own)

ON-CAMPUS DINING OPTIONS:

- SHOCKER SPORTS GRILL in the Rhatigan Student Center Basement
- SHOCKER DINING HALL (a 5 minute walk north of the Rhatigan Student Center)
- FUZZY'S TACO SHOP (Braeburn Square, Northeast corner of WSU campus)

1:10PM: MIDDLE SCHOOL AND HIGH SCHOOL POSTER COMPETITIONS (LUCAS ROOM)

1:30PM: TOUR OF LOWELL NESBITT "APOLLO 1969" EXHIBIT (JOHN BARDO CENTER)

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AFTERNOON SESSION (SANTA FE ROOM)

- 3:00:** EMMA WORTHINGTON (Fort Hays State), "665 Days in Space: The Peggy Whitson Journey"
- 3:25:** JIM REMAR (Cosmosphere), "Cosmosphere & SpaceWorks: Preserving Space History"
- 3:50:** DR. PHILIP K. TOMPKINS (C.U. Boulder), "The Secrets of Apollo Success"
- 4:15:** DR. JOHN RUBIN (HHMI Tangled Bank Studios), "Voyager: Moments of Discovery"
- 4:40:** SARAH LAMM (Northern Arizona University), "Mars: Through the Eyes (and Lasers) of Curiosity"
- 5:05: BREAK**

KEYNOTE LECTURE (SANTA FE ROOM)
5:20pm
DR. ROGER D. LAUNIUS
"WHY GO TO THE MOON? APOLLO, THE SPACE RACE, AND THE MANY FACES OF LUNAR EXPLORATION"

DR. ROGER D. LAUNIUS is Principal of Launius Historical Services. Between 2002 and 2017 he worked in several positions at the Smithsonian Institution's National Air and Space Museum in Washington, D.C., most recently as Associate Director for Collections and Curatorial Affairs. Between 1990 and 2002 he served as chief historian of the National Aeronautics and Space Administration. During at 35-year career as a U.S. government historian, he has been involved in many issues relating to public history and the history of aerospace technology. He has written or edited more than thirty books on aerospace history, most recently *Apollo's Legacy: The Space Race in Perspective* (Smithsonian Books, May 2019) and *Reaching for the Moon: A Short History of the Space Race* (Yale University Press, June 2019) as well as *The Smithsonian History of Space Exploration: Discoveries from the Ancient World to the Extraterrestrial Future* (Smithsonian Books, 2018), *NASA Spaceflight: A History of Innovation* (Palgrave Macmillan, 2018), and *Historical Analogs for the Stimulation of Space Commerce* (NASA, 2014). In addition, he is a Fellow of the American Association for the Advancement of Science, the International Academy of Astronautics, and the American Astronautical Society; and Associate Fellow of the American Institute for Aeronautics and Astronautics. He is frequently consulted by the electronic and print media for his views on space issues, and has been a guest commentator on National Public Radio and all the major television news networks.

