



Undergraduate Research Conference at Missouri S&T

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## 2021 Undergraduate Research Conference Winners

Missouri University of Science and Technology

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## **Undergraduate Research Conference winners announced**

Nineteen students in eight categories received recognition and cash awards as winners of S&T's 16th annual Undergraduate Research Conference, held virtually in April. The conference featured oral and poster exhibitions that represented work from students in nearly every academic major at S&T. First-place winners were awarded a cash prize of \$500. Second- and third-place finishers received \$250 and \$100, respectively.

The winners and their faculty advisors on the projects are:

### **Arts and humanities oral presentation**

- Second place: Anthony Watson, a senior in history from Waynesville, Missouri, advised by Petra Dewitt, associate professor of history and political science.

### **Engineering oral presentation**

- First place: Derrick Barger, a senior in mechanical engineering from Willard, Missouri, advised by Dr. Jonghyun Park, associate professor of mechanical and aerospace engineering.
- Second place: Peter Holtmann, a senior in electrical engineering from Springfield, Missouri, advised by Dr. Jie Huang, assistant professor of electrical and computer engineering.
- Third place: Maria Galbraith, a senior in engineering management from Jefferson City, Missouri, advised by Dr. Casey Canfield, assistant professor of engineering management and systems engineering.

### **Sciences oral presentation**

- First place: Steven Karst, a junior in physics from Ballwin, Missouri, advised by Dr. Shun Saito, assistant professor of physics.
- Second place: Anthony Lonsdale, a junior in physics from Liberty, Missouri, advised by Dr. Aleksandr Chernatynskiy, assistant professor of physics.
- Third place: Daniel Greenan, a senior in chemistry from St. Peters, Missouri, advised by Dr. Chariklia Sotiriou-Leventis, professor of chemistry.

### **Arts and humanities poster presentation**

- First place: Jessi Schoolcraft, a senior in environmental engineering from Willard, Missouri, advised by Dr. Audra Merfeld-Langston, chair and professor of arts, languages, and philosophy.
- Second place: Dylan Clay, senior in aerospace engineering from Republic, Missouri, advised by Dr. Diana Ahmad, Curators' Distinguished Teaching Professor of history and political science.
- Third place – Nikola Andric, a senior in computer science from Uzice, Serbia, advised by Dr. Diana Ahmad, Curators' Distinguished Teaching Professor of history and political science.

### **Engineering poster presentation**

- First place: James Kirtley, a senior in chemical engineering from Wildwood, Missouri, advised by Dr. Xinhua Liang, associate professor of chemical and biological engineering.
- Second place: Hattie Matthews, a senior in architectural engineering from Muskogee, Oklahoma, and Divyesh Shelar, a senior in architectural engineering from Rolla, advised by Dr. Stuart Baur, associate professor of civil, architectural and environmental engineering.
- Third place: Casey Hines, a senior in engineering management from St. Clair, Missouri, advised by Dr. Casey Canfield, assistant professor of engineering management & systems engineering.

### **Research poster presentation**

- First place: Joshua Carpenter, a junior in geology and geophysics from Belleville, Illinois, advised by Dr. John Hogan, associate professor of geology and geophysics.

### **Sciences poster presentation**

- First place: Arpan Das, a senior in computer engineering from Wildwood, Missouri, advised by Dr. Sajal Das, professor and Daniel St. Clair endowed chair of computer science.
- Second place: Natalie Gardner, a junior in chemical engineering from Rolla, advised by Dr. Matthew Thimman, associate professor of biological sciences.
- Third place: Elizabeth Feth, a senior in biological sciences from Beaufort, Missouri, advised by Dr. Robin Verble, associate professor of biological sciences.

### **Social sciences poster presentation**

- Second place: Jessica Frame, a freshman in psychology from St. Charles, Missouri, advised by Dr. Jessica Cundiff, assistant professor of psychological sciences.

### **2021-22 OURE Fellows scholarship recipients**

- Derrick Barger, a senior in mechanical engineering from Willard, Missouri, advised by Dr. Jonghyun Park, associate professor of mechanical and aerospace engineering.
- Alex Daniels, a junior in biological sciences from Troy, Missouri, advised by Dr. David Westenberg, professor of biological sciences.
- Gabrielle Hightower, a senior in biological sciences from Kansas City, Missouri, advised by Dr. David Westenberg, professor of biological sciences.
- Gladwin Labrague, a senior in chemistry from Rolla, advised by Dr. Thomas Schuman, professor of chemistry.
- Sara McCauley, a senior in chemistry from Wildwood, Missouri, advised by Dr. Rainer Glaser, chair and professor of chemistry.
- Ethan Prior, a senior in history from Mexico, Missouri, advised by Dr. Andrew Behrendt, assistant teaching professor of history and political science.