



## USSD Student Scholarship Award – Call for Applications

The United States Society on Dams (USSD) is ***now accepting applications for the 2022 Student Scholarship Awards***. The awards are for students whose academic program and research studies have the potential to develop practical solutions to design and construction challenges related to dams and levees. ***We encourage students to apply and others to please spread the word on behalf of USSD!***

### AWARD OVERVIEW

Of the applicants, up to ***four finalists will be invited to present their research at the annual conference***. In addition to covering conference registration and domestic economy travel costs and lodging for the finalists, USSD will ***award up to a combined total of \$30,000 to the four finalists*** during the 2022 conference in San Diego, with a minimum individual award of \$2,000 to each finalist. Finalists will also receive a one-year free student membership to USSD. All finalists are invited to participate in the full conference providing an opportunity to meet and interact with the industry experts in dams and levees.

The annual conference is April 11 to April 15, 2022, in San Diego. Finalists will present their research to the Board of Directors and conference attendees during the technical sessions. This is a valuable opportunity to showcase your work, increase your exposure, and network with dam and levee experts in the industry! The results will be announced later during the conference.

### APPLICATION

The application is now open to be submitted online at: <http://www.usdams.org/about/scholarships/>

**Applications are due no later than February 28, 2022.**

Applications must include the following:

- Your personal, school, and work information (resume-type information)
- Research paper/proposal (6 pages maximum) describing a specific research topic and highlighting the innovative aspects of the proposed research work
- Two letters of recommendations (including one from academic advisor)

Scholarships are open to junior or senior undergraduate students and graduate students pursuing a Masters or PhD. Applicant will be judged based on expectations commensurate with their current education level in order to provide equal opportunities.

All applicants must be:

- Enrolled in U.S. academic institution
- U.S. citizens or permanent resident
- In an academic program and/or performing research that has a potential for developing solutions to design, analysis, construction, operation, safety, environmental, maintenance and rehabilitation problems related to dams and levees – fields of study may include civil engineering, environmental and social sciences, water resources management, geology, etc.

## **2021 USSD Scholarship Recipients**

Four scholarships were presented during the 2021 USSD Virtual Conference.

**Jingwen He**, University of Texas, Austin, Ph.D. Civil Engineering, \$5,000 – Development of Seismic Fragility Relationships for Earth Dams

**Francisco HumireGuarachi**, University of California, Davis, Ph.D. Geotechnical Engineering, \$5,000 – Effect of Gradation and Grain Size on the Liquefaction Behavior of Coarse-Grained Soils

**Julia Loshelder**, University of Arkansas, Ph.D Civil Engineering, \$5,000 – Remote Sensing Methods to Monitor the Change in Water Content in Dams

**Golsa Mahdavi**, University of Colorado, Boulder, Ph.D. Civil (Structural) Engineering, \$5,000 – Deterioration of Concrete Dams from Alkali Aggregate Reaction