



## NEWS RELEASE

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### **Milwaukee School of Engineering wins 2021 NCEES Engineering Education Award**

*Civil and Architectural Engineering and Construction Management Department receives \$25,000 grand prize for international design project*

NCEES is pleased to announce that the Milwaukee School of Engineering is the grand prize winner of the 2021 NCEES Engineering Education Award. The university received the award for a project completed by the Civil and Architectural Engineering and Construction Management Department. The award jury met virtually on June 15, 2021, to select the \$25,000 grand prize winner.

For the school's project, *Sustainable Improvements for Guatemalan Cardamom Spice Dryers*, a team of primarily mechanical engineering students collaborated with professional engineers and other professionals to develop a low-cost metal attachment called a swirler, which is inserted into heat exchanger tubes in spice dryers. The swirler, at a one-time cost of two dollars, is made from sheet metal and a pair of tin snips and pliers. The solution will reduce deforestation and improve the overall quality of life in rural Guatemalan communities. The jury praised the project for providing an ingenious solution to an environmental issue.

The jury selected seven additional winners to receive awards of \$10,000 each:

■ **California State University, Los Angeles**

Department of Civil Engineering

*Sustainable Recycled Water Recharge Program*

■ **Christian Brothers University**

Department of Electrical and Computer Engineering and Department of Mechanical Engineering

*GO BaBy Go—MROC*

■ **George Mason University**

Sid and Reva Dewberry Department of Civil, Environmental, and Infrastructure Engineering

*Water Supply, Distribution, and Storage, San Pablo de Amali, Ecuador*

■ **Lawrence Technological University**

Department of Civil and Architectural Engineering

*Oakland University Interdisciplinary Research Center*

■ **Seattle University**

Department of Civil and Environmental Engineering  
*Home for the Homeless Using Cross Laminated Waste Stream*

■ **University of Nebraska–Lincoln**

Charles W. Durham School of Architectural Engineering and Construction  
*Virginia Tech War Memorial Hall: Integrative Team Design*

■ **University of Wisconsin–Madison**

Department of Civil and Environmental Engineering  
*Village Stormwater Mitigation*

The NCEES Engineering Education Award recognizes engineering programs that encourage collaboration between students and professional engineers. EAC/ABET-accredited programs from all engineering disciplines were invited to submit projects that integrate professional practice and education.

A jury of NCEES members and representatives from academic institutions and engineering societies selected the winners from 48 entries. The jury members considered the following criteria:

- Successful collaboration of faculty, students, and licensed professional engineers
- Protection of public health, safety, and/or welfare of the public
- Multidiscipline and/or allied profession participation
- Knowledge or skills gained
- Effectiveness of display board, abstract, and project description

Profiles of the winning submissions will be posted as available at [ncees.org/award](http://ncees.org/award).

## **ABOUT NCEES**

*The National Council of Examiners for Engineering and Surveying is a nonprofit organization made up of engineering and surveying licensing boards from all U.S. states, the District of Columbia, Guam, Puerto Rico, the Northern Mariana Islands, and the U.S. Virgin Islands. Since its founding in 1920, NCEES has been committed to advancing licensure for engineers and surveyors in order to safeguard the health, safety, and welfare of the U.S. public.*

*NCEES helps its member licensing boards carry out their duties to regulate the professions of engineering and surveying. It develops best-practice models for state licensure laws and regulations and promotes uniformity among the states. It develops and administers the exams used for engineering and surveying licensure throughout the country. It also provides services to help licensed engineers and surveyors practice their professions in other U.S. states and territories. For more information, please visit [ncees.org](http://ncees.org).*