

April 2023



US Secretary of Energy, Second Gentleman Visit OU; Geothermal Energy Roundtable Includes AME's Li Song.

U.S. Secretary of Energy Jennifer M. Granholm and Second Gentleman of the United States Douglas Emhoff recently met with Tribal leaders and OU energy experts for a roundtable discussion on how the power and potential of geothermal energy can be harnessed for the benefit of Indigenous communities. In addition to Granholm and Emhoff, panelists included [Li Song](#), School of Aerospace and Mechanical Engineering.



David Ebert



Pejman Kazempoor



Binbin Weng

DOE Awards \$10.9M for OU Engineering Research Projects

On March 13, the [U.S. Department of Energy announced](#) that three OU Engineering research projects were selected for the "Innovative Methane Measurement, Monitoring and Mitigation Technologies" initiative. The awards total over \$10.9 million with support from industry, academia and other research organizations. Principal investigators and their projects are:

[David Ebert](#), School of Electrical and Computer Engineering, "A Multi-Scale CH₄ Monitoring System for Enhancing Emission Detection, Quantification & Prediction"

[Pejman Kazempoor](#), School of Aerospace and Mechanical Engineering, "Intelligent, Universal, Low-Cost Emissions Reduction Retrofit Kit for Industrial Engines"

[Binbin Weng](#), School of Electrical and Computer Engineering, "A Regional-Scale Showcase of Hybrid Methane Sensing Networks in the Anadarko Basin"

Heard Around the Quad:

[Steven Crossley](#), School of Chemical, Biological and Mechanical Engineering, has received the inaugural Jischke Prize in Engineering created to support faculty excellence in CBME. The award was presented by Martin Jischke who served OU for 17 years – 11 as a faculty member and director of the School of Aerospace and Mechanical Engineering, five as dean of OU Engineering and one as interim president of OU.



[John Klier](#), dean of OU Engineering and a professor in the School of Chemical, Biological and Materials Engineering, is a member of the [newest class of honorary commanders](#) at Tinker Air Force Base. The program pairs civic leaders with military commanders allowing each to understand how each partner's activities impact the community and TAFB.



Cesar Ruiz, School of Industrial Engineering, is part of a research team who received the Institute of Industrial and Systems Engineer [2022 William Golomski Award](#). This is the second time that Ruiz has received the award which focuses on quality control and reliability engineering.



[Stefan Wilhelm](#), Stephenson School of Biomedical Engineering, will have an original research study published in ACS Nano titled "Quantifying Intracellular Nanoparticle Distributions with Three-Dimensional Super-Resolution Microscopy." The study describes the 3D imaging of nanoparticles within their ultrastructural context in single cells using expansion microscopy, a super-resolution imaging technique.





[OU-Tulsa Celebrates Electrical, Computer Engineering Alumni](#)

The OU School of Electrical and Computer Engineering at OU-Tulsa celebrated its 20th anniversary on April 7 in Tulsa. Welcoming guests were Hazem Refai, OU Engineering professor, and John Klier, OU Engineering dean. The event included presentations from Ammar Rayes, technology director for Cisco Systems, and Melissa Midzor who leads the new spectrum and technology and research division for the National Institute of Standards and Technology. Since 2001, the ECE-Tulsa program has graduated 201 students and secured over 190 grants and awards, totaling approximately \$35 million. [View photos on Flickr.](#)

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