

## Udaykumar, Demir Receive UI Innovations in Teaching with Technology Awards

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H. S. Udaykumar, professor of mechanical and industrial engineering, and Ibrahim Demir, adjunct assistant professor of civil and environmental engineering and assistant faculty research engineer at IHR--Hydrosience & Engineering, have received Innovations in Teaching with Technology Awards from the University of Iowa.

Udaykumar was awarded \$25,000 to develop a software interface to an existing world-class thermal and fluid flow solver called pELAFINT3D that will enable its integration into formal and informal teaching activities. It is expected that this will have a major impact on student learning and exploration of modern pedagogies along with expanding undergraduate students' ability to conduct and learn from independent research and open-ended course projects.



Demir was awarded \$12,000 to develop a web-based interactive simulation environment for introducing hydrological concepts in engineering and science curriculum. Students will receive hands-on experience in hydrological concepts, management actions, and effects of flooding in actual communities in Iowa.

The awards are sponsored by the Academic Technologies Advisory Council (ATAC). The Innovations in Teaching with Technology Awards help fund innovative applications of instructional technologies that impact student success and retention.



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