

## Two USU engineering professors receive prestigious grants

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Kyumin Lee



Jeff Horsburgh

Two Utah State University College of Engineering professors received the National Science Foundation's Faculty Early Career Development (CAREER) Award earlier this month.

The two grants, awarded to Jeff Horsburgh, assistant professor in civil and environmental engineering, and Kyumin Lee, assistant professor in computer science, are worth about \$500,000 each and will help advance fundamental research in areas of water resources engineering and computer science, according to [Utah State Today](#).

Horsburgh is researching "smart" metering, a technology used in water management to remote record water use to support projections of future water demand and decision making about water supply. Ongoing research on the subject could close the gap in the ability to quantify and forecast urban water use.

Lee is researching crowdsourcing, the act of soliciting information from a large number of people online. Issues with crowdsourcing include falsified product reviews and fake social media accounts from "paid shills who spread malicious content around the Web," undermining basic trust online. The assistant professor is developing new tools to detect and target crowdsourced manipulation.

The CAREER award is a prestigious grant program that supports junior faculty "in support of the early career-development activities of those teacher-scholars who most effectively integrate research and education within the context of the mission of their organization," according to the NSF.