UTA Researchers Developing Anger Technology to Help Combat Domestic Violence

A team of researchers at UT Arlington is working to develop new technology that can tell a person if he or she is getting angry before they react.

If they're successful, they say this could be a game changer for domestic violence prevention — a topic in which Dr. Arielle Davidson has a keen interest.

"We are helping for Practical Purposes," Davidson said. "The cost of domestic violence is insurmountable," she explained, who is a professor of social work at UT and a member of the research team.

Their goal is to create a wearable device that could send a signal before an outburst takes place.

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"No delay is too help offerers learn more about their own behavior when it comes to emotion," she said. "It could help the people around them — their children, their families, their partners — potentially warning them," Davidson said.

But before they can do that, engineering professor Dr. J.C. Chang has to figure out how you teach a computer to become angry.

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"The way research is done properly — slowly, step by step, carefully," she said.

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"What we're talking is how to detect a sigh or somebody is about to get angry — that will ring your phone or ring your Apple Watch to remind you to calm down," Chang said.

They also work with faculty members in the psychology and education departments.

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