



Motion Tracking and Its Applications

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Friday November 17 12pm – 1pm DERR 329

Speaker Bio

Prof. Qiu received a Ph.D. in Computer Science from Cornell University in 2001. Between 2001-2004 she was a researcher at Microsoft Research (Redmond, WA) and in 2005 she joined UT Austin.

She is an IEEE Fellow and an ACM Distinguished Scientist.

She has also received an NSF CAREER Award and Google Faculty Research Award.

Abstract

Video games, Virtual Reality (VR), Augmented Reality (AR), and Smart appliances (e.g., smart TVs and drones) all call for a new way for users to interact and control them. Motivated by this observation, we have developed a series of novel motion tracking technologies using acoustic signals. A unique feature of our approach is that it can achieve mm-level tracking accuracy on smartphones without special hardware. We further develop a few interesting applications on top of our motion tracking technology.

Everyone is invited to this talk and to meet and greet the speaker. Refreshments will be served 11.30am-12noon in DERR 329.

Mentoring lunch with the speaker

Female students within the College of Science and Engineering, graduate and undergraduate, are invited to lunch with the speaker after her talks. There is no cost for lunch, but seats are limited. Please, sign up in the Women Doing Math website if you would like to participate:

<http://womendoingmath.wp.txstate.edu/>

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