

TUESDAY TALKS



Georgia Tech Faculty Speaker Series

“Aware Home: Sensing, Interpretation, and Recognition of Everyday Activities”

The Aware Home project is a unique living laboratory for exploration of ubiquitous computing in a domestic setting. Dr Essa's Talk will present ongoing research in the area of developing technologies within a residential setting that will affect our everyday living - specifically concentrating on the sensing and perception technologies that can enable a home environment to be aware of the whereabouts and activities of its occupants. The discussion will include the use of computer vision, audition work and other efforts in computational perception to track and monitor the residents, as well as methods being developed to recognize the residents' activities over short and extended periods. The technological, design and engineering research challenges inherent in this problem domain, and the focus on awareness to help maintain independence and quality of life for an aging population will also be explored. The project is located in the Georgia Tech Broadband Institute's Residential Laboratory.

For further information, see <http://www.awarehome.gatech.edu>. The Aware Home Research is funded by NSF, Georgia Research Alliance (GRA) and the consortium of industrial partners.



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Dr Essa has been a member of the Georgia Tech faculty since 1996.

March 29, 2005

2:30-4:00pm

Wilby Room

refreshments

Library and Information Center

Tuesday Talks is a series of lectures sponsored by the Georgia Tech Library featuring research by Georgia Tech faculty presented for the rest of us...

Research for all of us