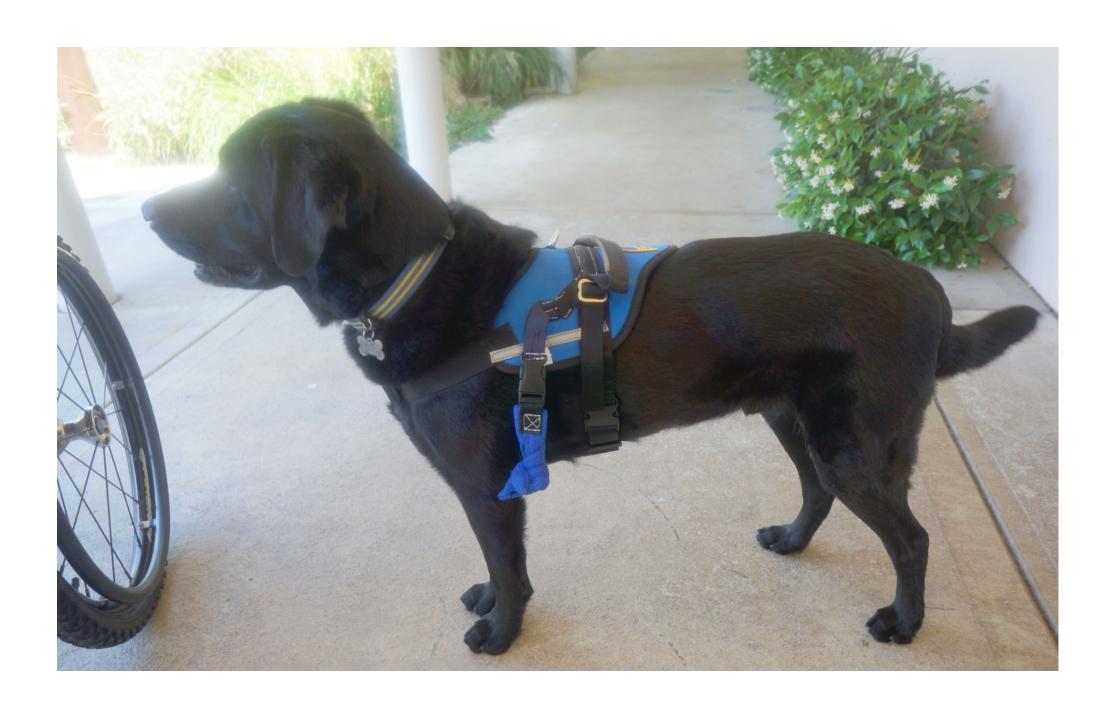# FIDO Project

Facilitating Interactions for Dogs with Occupations

aci.gatech.edu
Animal Computer Interaction Lab,
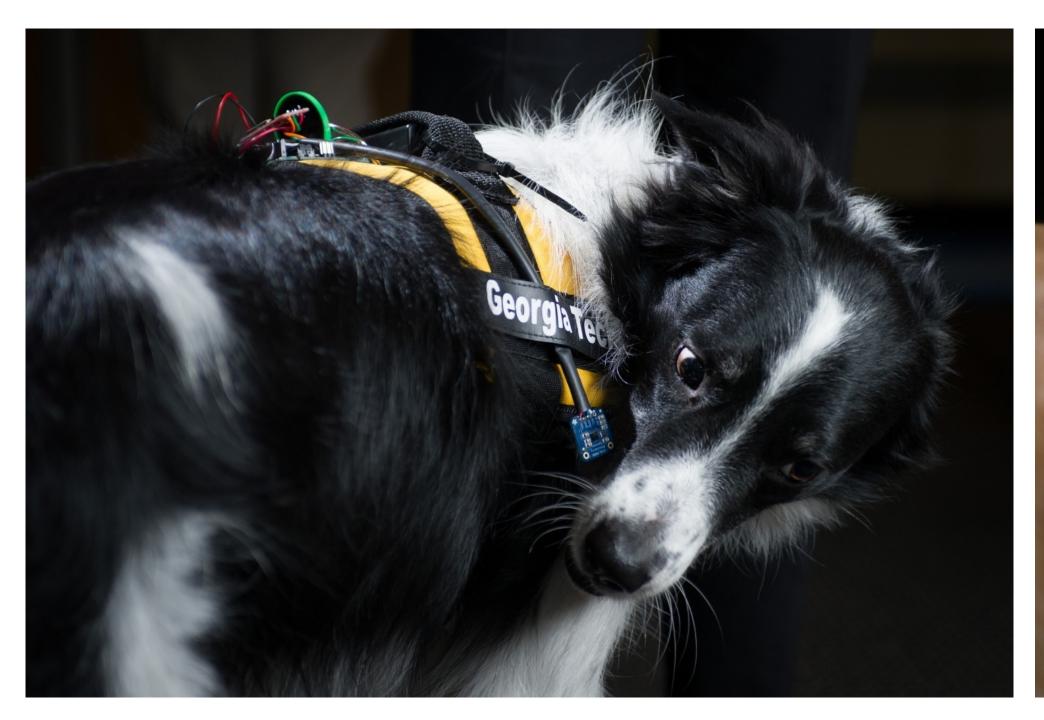*School of Interactive Computing, Georgia Institute of Technology*

INTRODUCTION

The *FIDO Project* is an ongoing research project at Georgia Tech's Animal Computer Interaction Lab. It researches ways to improve communication between working dogs and the humans they assist. This work has included canines serving as guide, hearing, service, skilled companion, search & rescue (SAR), and police dogs. Dr. Melody M. Jackson is the founder and director.

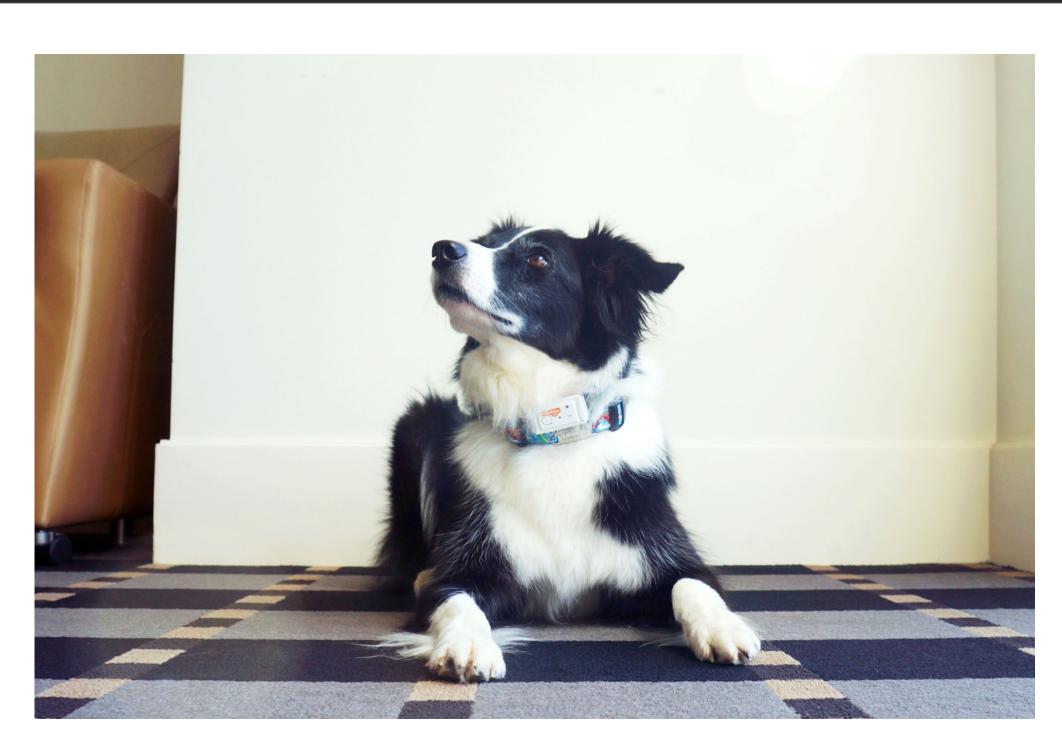"Call for help" tug sensor for service dog of owner with dystonia.

FIDO VEST

Proximity sensor used for sound discrimination by a hearing dog.

Bite sensor used by guide dog to alert owner of "wait" vs "go around" obstacles.

ONGOING RESEARCH

- Gestural communication from motion-sensors

- Silent human-to-dog communication based on vibrations

- Interactive touch-screen interfaces for the home

- Early prediction of assistance dog success based on sensor data

An allergy alert dog signals by gesturing while wearing an activity monitor.

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