Design and Preliminary Evaluation of a User Interface for a Roadable Air Vehicle

Abstract:
Transformer is a DARPA program to create a roadable air vehicle, also known as a flying car. A major project goal is to make the vehicle usable by a non-pilot. I will present work done at Carnegie Mellon in collaboration with Honeywell on autonomy and interaction design for an autonomous air vehicle with a minimally trained user. I will also discuss the challenges associated with the domain, our design, and preliminary user evaluation results in our simulator.

Speaker Bio:
Matt Aasted holds a bachelor’s degree in Electrical and Computer Engineering from Olin College in Needham, MA. Before coming to Carnegie Mellon, he worked as a Research Programmer at MIT and a Research Intern at VMware in Cambridge, MA.