# STICKIE

Abstract

This thesis explores commercial technologies that aid in device-supported collaborative work over the Internet. The research is manifested as a demo workspace in which people can externalize their ideas by digitally annotating them in a physical space by using sensor-rich smartphones.

A key component of this research is the development of display and phone agnostic platform, which people can use to physically post content on multiple display surfaces. The phone acts as an interface between the physical and the digital realities.

Space is the fundamental component of any analog brainstorming activity that helps the participants to create deep and meaningful collaborations in their work and life. From observing such activities, this project constructs a novel interface for collaborations across Internet, to incorporate cues of body language, expressions, cultures and attitudes of the participants involved.

Current digital technologies are sufficient enough to incorporate physical interactions for expressive collaborations and trials revealed that participants generated far better and rich ideas in a shorter span of time than traditional sticky note exercises. Hence, it is important for designers and engineers to rethink how we design our digital interfaces for creative content generation.