

The Human Factor in Mobile and Wearable Technologies: Making the Transition from Science to Social Good

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Abstract

New technologies are often inherently interesting to researchers yet have little immediate impact on everyday life. In this talk, I review a variety of research examples that show how a solid understanding of the needs, habits, and behaviors of human users can lead meaningful applications of mobile and wearable technologies. In addition to reviewing work from across the field of human-computer interaction, I will present new and as-yet unpublished results on user studies of GPS-enabled cell phone data and research designs for a suite of location-aware mobile applications designed to support communities by helping people build upon weak social ties to form stronger ones. The Human Factor in Mobile and Wearable Technologies: Making the Transition from Science to Social Good