Psychosocial Aspects of Smart Systems Design and Application

Smart Living
- Persuasive impact of wearable technologies
- Ethical and social implications of smart technology design and deployment
- Human Centered design of smart technologies

Cyber Physical Systems
- Modeling social and behavioral aspects of appliance usage in smart environments to prioritize energy management in times of energy constraint.
- Investigating perceptions of critical systems infrastructures during times of crisis across cultural and socioeconomic strata.

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#HumanFactors
#Psychology #Biosensors
#Wearables #SmartLiving
#CyberPhysicalSystems #Design

Current Projects
- Impact of ubiquitous wearable monitoring on perceptions of free will.
- Impact of design of smart systems on perceptions of personal responsibility.

Funding
- NSF/NIFA – Cyber Physical Systems: Synergy (funded)
- NSF EAGER – Water Citizen Science (funded)
- MST – Human-centered design smart surfaces (funded)
- DTRA – Civilian response to WMD attack examined through virtual reality gaming (submitted)