Walking On The Sun

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Social Networks and Smart Grids

The Theory and Our Focus

- Our focus has shifted from how smart grid technology can benefit UCF to...
- How an established social network directly related to a smart grid integrated on campus can greatly benefit UCF
- Three main components:
  - Social Network Website
  - Foot pad prototype/simulator
  - "The PAD" locations across campus

The Website

- Two designs (iterations)

- Combine best aspects of both into cohesive and informative site

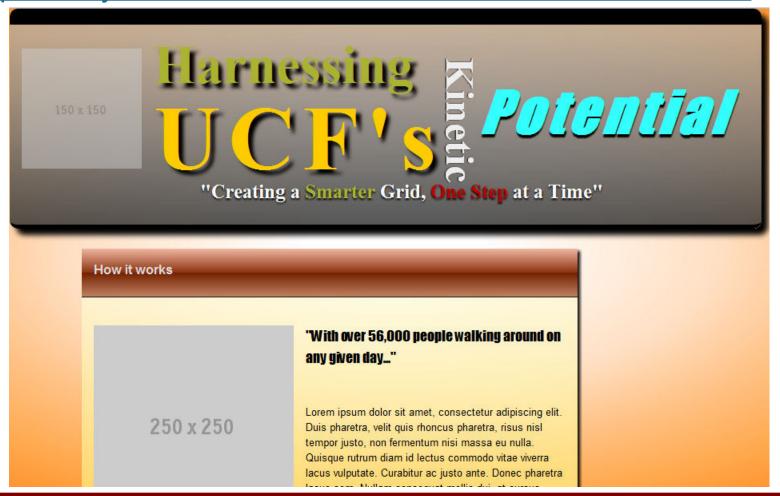- Information flow from top to bottom

- Mobile 'app' design

Site Design 1

http://sulley.dm.ucf.edu/~gr787397/dig4855/ucfPAD/

Site Design 2

http://sulley.dm.ucf.edu/~da335435/DIG4855/smartGrid.html

Foot Pad Prototype

- Originally had the idea to use or make a DDR pad
- Scrapped the idea due to insufficient research, tools, and knowledge
- Researching deconstructing a keyboard
  - Array of keys in a "tile"
  - Any amount of keys register being pressed
  - Regular expression translates key presses into footstep
  - Estimated footstep wattage is calculated and displayed

The Pad

- Idea is to have map integration (Google API) in website

- Map will have unique markers indicating PAD locations across campus

- "The Pad" will be a unique social hangout spot where games and competitions will take place

Obstacles & Impediments

- Having a prototype ready for test runs before SURE event

- Not sure yet about surveys, data collection, etc.

- Set up a deadline for initial pad design

- Make group decision on data collection