

# **Walking On The Sun**

Brice, Daniel, Greg, & Kyle

# **Walking On The Sun**

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/>

The screenshot displays a web interface for 'ucfPAD'. At the top, a progress bar shows four metrics: 'My Total Steps' (0033), 'My Total Output' (001440 watts), 'Total UCf Output' (0020156 watts), and an upward arrow icon. Below this, a large graphic features the text 'Harnessing UCF Potential' in a stylized font. 'UCF' is in large yellow letters, 'Potential' is in blue, and 'Harnessing' is in black. To the right of 'UCF', the word 'Kinetic' is written vertically in red, with the letters 'K', 'i', 'n', 'e', 'i', 'c' stacked. A faint footprint graphic is visible in the background.

My Total Steps 0033 My Total Output 001440 watts Total UCf Output 0020156 watts ↑

Harnessing UCF Potential

Kinetic

“Creating a Smarter Grid,  
One Step at a Time.”

# 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