

# Charles Elkan University of California, San Diego elkan@ucsd.edu

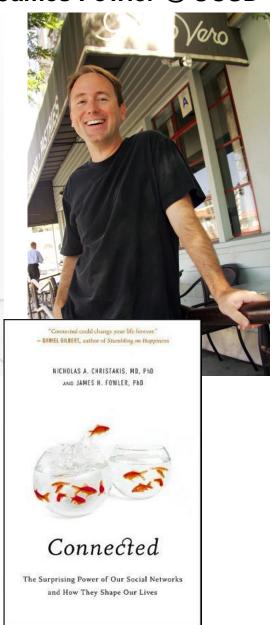
### Sandy Pentland @ MIT James Fowler @ UCSD Laszlo Barabasi @ Northeastern



## HONEST SIGNALS

HOW THEY SHAPE OUR WORLD

ALEX (SANDY) PENTLAND





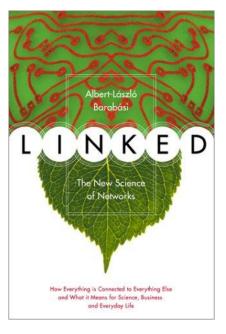
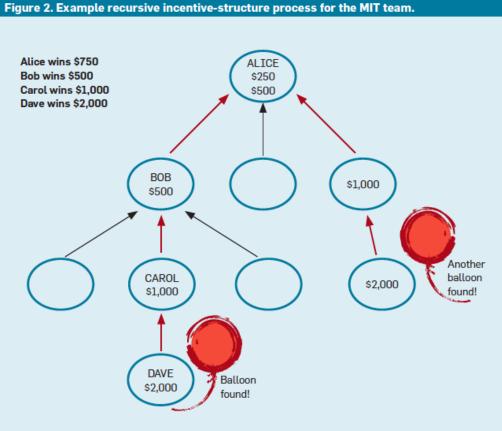






Figure 5. Fabricated photo posted during the challenge (left) (http://twitpic.com/s9kun) and photo taken by a pre-recruited observer in Albany, NY (right).





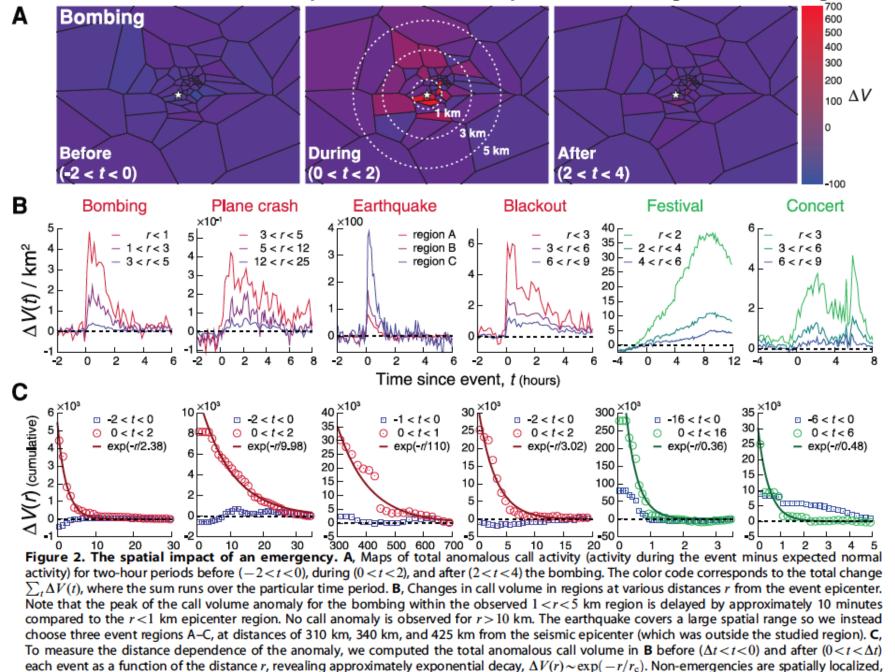




Pentland, Cebrian et al. The DARPA Network Challenge

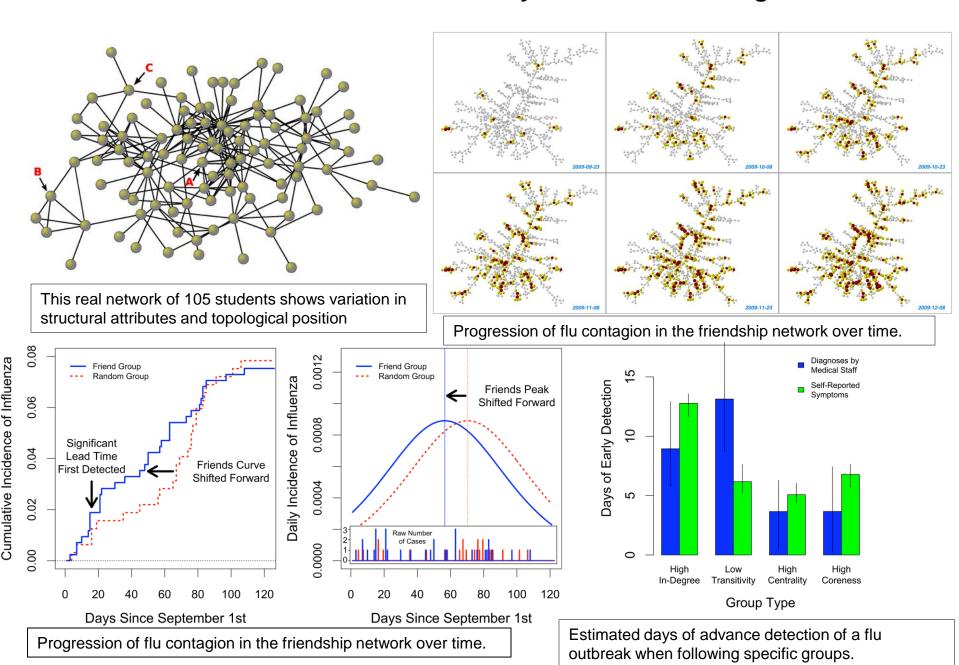
Figure 4. Typical real (left) and contrived (center and right) pictures of balloons.

#### Barabasi et al, Collective Response of Human Populations to Large-Scale Emergencies.



with  $r_c < 2$  km.

#### Fowler et al. Social Network Sensors for Early Detection of Contagious Outbreaks.



# **Team members**

- Charles Elkan, Dept. Computer Science & Engineering, University of California, San Diego Contact: elkan@ucsd.edu,
   Office (858) 534-8897
   9500 Gilman Dr., La Jolla CA 92093
   Faculty assist.: Sheila Manalo, (858) 534-8873
- Manuel Cebrian, Dept. of Computer Science and Engineering, University of California, San Diego
- James Fowler, Division of Social Sciences, University of California, San Diego
- Sandy Pentland, Media Laboratory, MIT
- Laszlo Barabasi, Center for Complex Networks Research, Northeastern University