ESD 342 Session 3

Faculty: Magee, Moses, Whitney

February 14, 2006

Point of View & Biases Presentations

- Reverse Alphabetical Order: **Please write down or remember who you follow** and come to the front as soon as that person finishes or as soon as the moderator declares that their 3 minute limit is reached as we are very tight on timing
  - Yang, Wirthlin, Weibel, Vaisnav, Underwood, Tapia-Ahumada, Sudersanam, Steel, Song, Noor, Nicol, Mozdzanowska, Martin, Long, Livengood, Lin, Lindsey, Hanowsky, Frank, Drayside, Castro, Bounava, Bonnefoy, Avnet

Possible Importance of Point of View/ Bias Exercise

- Potential Strength
  - **Contributions to knowledge** (intellectual or research) and **contributions to practice** can be enhanced by having a definite point of view and/or personal style.
- Potential Drawback
  - "It isn't what you do not know that gets you into trouble but what you think you know that just ain't so"

Assignment #2: Systems Proposed for Project Work

- Assignment #2 posted on 2/14
  - One written page submitted to all three instructors by 1 PM on Wednesday, February 22.
  - 30 copies brought to class for discussion on Thursday, Feb. 23.
  - Each student is to make an ***independent proposal*** to fulfill this assignment but down-selection will be used to form 3 (or possibly 2 or 4) person teams for the remainder of the project.
- Issues to think about in the choice of a system to propose:
  - Why intensive study of this system may help all of us learn more about architecture
  - The existence of data sources that might allow building and exercising network models of (or helpful in understanding) the system

A Few "Thought-starter" Project Ideas

- Continue one of last year's projects-see web site
- Improve detail of Western Power Grid or some other part of the electric power grid
- Analyze a software system or a language over time
- Build and analyze a collection of social network data and its time dependence
- Investigate and model the old Bell System PSTN, possibly including its growth over time
- Investigate and model competitive and supply-chain systems of corporations (analyst information)
- Build networks from "people who bought this book also bought…" or something analogous from eBay or MySpace
- Map the New England power grid from 1965 or 2003 blackout reports
- Compare public transit layouts in large cities world wide
- Make an agent model of distribution system growth, such as nerves, capillaries, transit or highways