



# Engineering Systems Doctoral Seminar

## ESD.84 – Fall 2002

Session 8

October 23, 2002

Chris Magee and Joel Cutcher-Gershenfeld

Guests: Seth Lloyd, Joe Sussman, Neil Gershenfeld



# Session 8: Overview

- Welcome and Overview and Introductions (5-10 min.)
- Generating Key Questions from Readings (10-15 min.)
- Core Concepts in the Study of Complexity Science (45-60 min.)
  - Seth Lloyd and Joe Sussman
- Break
- Student Presentations
  - The Potential for Application of Output from the Sciences of Complexity to Engineering, Management and Policy Research – Jeroen Struben
  - A Critical Analysis of the Emergence of Complexity Science as a Field of Study – Marcus Sarofim
- Book Reviews (5-10 min. each):
  - Holland, *Adaptation in Natural and Artificial Systems* (1992) – Ben Koo
- Additional Dialogue on Complexity and Engineering Systems (20-30 min.)
  - Neil Gershenfeld
- Next Steps (10-15 min.)