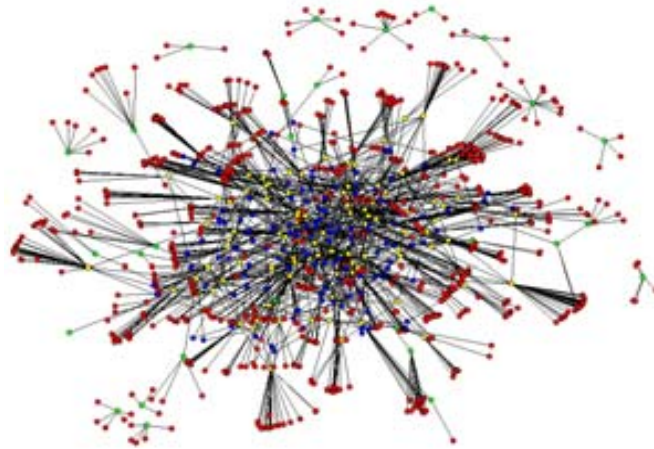


Four-Campus Video-Conference Series, F-W-S 2006-7

Human Sciences and Complexity



October 13: Friday, 1:30-3:00

Jessica Flack: (Evolutionary Construction, Santa Fe Institute)

"The Role of Robustness Mechanisms in the Evolution of Social Complexity"

<http://www.santafe.edu/~jflack/>

<http://eclectic.ss.uci.edu/~drwhite/center/cac.html#Flack> (live link in pdf)

Abstract: All organisms interact with their environment, and in doing so shape it, modifying resource availability. Termed niche construction, this process has been studied primarily at the ecological level with an emphasis on the consequences of construction across generations. I will discuss the behavioral process of construction within a single generation, identifying the role a robustness mechanism—conflict management—plays in promoting interactions that build social resource networks or social niches in animal social organizations. The talk will be structured around two general issues: robustness and niche construction in evolutionary theory and consequences of robustness and niche construction for social complexity.

Video Conference Locations for Participants

UCSD: 260 Galbraith Hall – Mary Gibsen mgibsen@ucsd.edu

UCR: A139 Olmsted Hall - Mike Capriotti mcap@ucr.edu

UCI: 122 Social Science Tower – Jeffrey.Fisher@uci.edu 824-7581

UCLA: 285 Powell Library - vidcon@ucla.edu