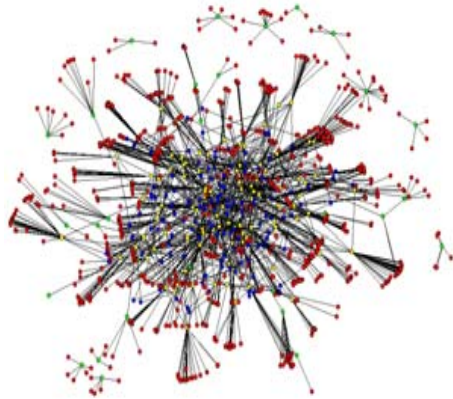


Four-Campus Video-Conference Series, 2006-7 f-w-s Human Sciences and Complexity



May 4, 2007: Friday, 1:30-3:00 telecast from UCI 3030 Anteater Center

Natalia L. Komarova, Kimberly Jameson, Louis Narens and Ragnar Steingrímsson of the UCI Color Evolution Laboratory

“Evolutionary Models of Color Categorization Based on Discrimination”

<http://eclectic.ss.uci.edu/~drwhite/center/cac.html#Jameson>

Abstract: Specifying the factors that contribute to the universality of color categorization across individuals and cultures is a longstanding and still controversial issue in psychology, linguistics, and anthropology. The present article approaches this issue through the simulated evolution of color lexicons. It is shown that the combination of a minimal perceptual psychology of discrimination, simple pragmatic constraints involving communication, and simple learning rules are enough to evolve color naming systems. Implications of this result for psychological theories of color categorization and the evolution of color naming systems in human societies are discussed.

Video Conference Locations for Participants

UCLA: 285 Powell Library

UCI: 3030 Teaching, Learning & Technology Center, corner E. Peltason and Anteater

UCSD: 260 Galbraith Hall

UCR: A139 Olmsted Hall