Northwestern Institute on Complex Systems (NICO)
and
Center for Connected Learning (CCL) and Computer-Based Modeling
Present

A Hands-On Introduction to Agent-Based Modeling Using NetLogo

Wednesday, May 21st 2008
8:00 AM – 12:30 PM
Chambers Hall
Lower Level Classroom
600 Foster Street
Fee: $100.00 (Cash or check only)
Please note: Enrollment is limited! Payment is due upon registration!

Agent-based modeling (ABM) is a powerful technique that allows a new look into complex systems and situations. ABM has been used to create robust simulations of social and natural phenomena in areas as diverse as engineering, political science, biology, business processes, materials science, evolution, public health, and anthropology. The agents used in ABM are autonomous entities with properties and behaviors, thus they have a close relationship to real world objects and are easy to develop and analyze. This workshop will utilize a hands-on approach to learning ABM using NetLogo. NetLogo is a free, widely-used ABM development environment created by long-time NICO member, Uri Wilensky who also directs the Center for Connected Learning (CCL) and Computer-Based Modeling. The workshop will start out with a discussion of ABM concepts, techniques and examples. After that workshop participants will be led through the development of a set of models that start from a seed model and build in complexity to create a highly generalizable and useful end model.

The workshop will be run by NICO Post Doc Bill Rand, who will be professor of Marketing, Decision & Information Technology and Computer Science at the University of Maryland starting in Fall 2008.

Interested parties should send an e-mail including their name, affiliation, contact information, and e-mail address, to complex@northwestern.edu.