Agent-based Modelling and Simulation of Social Behavior

University of Bremen
12-13 October 2017

Venue: Unicom (House 3), Room 3.3380, Mary-Somerville-Str. 9
Organizers: Michael Windzio, Raphael Heiberger, Betina Hollstein

In the first part of the workshop a short hands-on introduction into programming of basic examples of Agent Based Modeling in NetLogo will be given. In the second part, we discuss contributions in the field of "dynamics of action and social structure". Here, we focus on agent-based models of *segregation*, *network formation* and *dynamics* and the *integration of immigrants*.

Day 1: Thursday, October 12th. *Hands-on workshop*

Time	Lecturer	Title
9-12am	Jan Lorenz (Jacobs University Bremen)	*Agent based models using NetLogo. An introduction*
	Lunch break	
2-5pm	Jan Lorenz (Jacobs University Bremen)	*Agent based models using NetLogo. Practical applications*

Day 2: Friday, October 13th. *Dynamics of action and social structure*

Time	Lecturer	Title
10-11 am	Andreas Flache (Groningen)	*Segregation dynamics*
11-12am	Rocco Paolillo (BIGSSS)	*United we stand? Simulating acculturation processes in a migration context using MigrAgent*
	Lunch break	
2-3pm	Christian Steglich (Linköping)	*Stochastic actor-oriented network evolution models as simulation tools: the cases of echo chambers and peer-led interventions*
3-4pm	Viviana Amati (Konstanz)	*On exponential random graph models as the outcome of network formation game*