Scientific Background
These are graduate level short courses in an introductory series of lectures on the derivation, analysis and simulations of network structures and kinetic aspects of complex systems models. Such models appear in problems that range from traffic, flocking dynamics, supply chain networks, information exchange or more general dynamics in networks.

Goals
To look at the derivations and dynamics of statistical transients or flows in discrete and continuous probabilistic settings that give rise to statistical transport models.

A limited number of openings are available. A limited amount of travel and local lodging is available for researchers in the early stages of their career who want to attend the full program, especially for graduate students and post-doctoral fellows. To apply, complete the online application before January 15, 2013.

For more information and to apply: www.ki-net.umd.edu