



RECONNECT Workshop 2012

GAME THEORY AND SECURITY



Where: Winona State University, Winona, Minnesota

When: June 3 – 9, 2012

About Reconnect:

This CCICADA Summer Reconnect Workshops expose faculty teaching undergraduates to the role of the mathematical and computer sciences in homeland security and provides an opportunity to researchers in government or industry to learn about recent material in the area of internet privacy, a component of data analytics. Topics are presented in a weeklong series of lectures and activities; participants are involved in both research activities and in writing materials useful in the classroom or to share with their colleagues. Participants may develop materials for publication in either the CCICADA Technical Reports or the Educational Modules Series published by the DIMACS Center at Rutgers University.

Topic: Game Theory and Security

Game theory is a mathematical tool for decision making where a person's (country, company) success is based on the choices of others. Traditionally, game theory has been a tool of economists for modeling competing behaviors of interacting agents, but it is now used more widely in social networks to optimize the number of converted, in evolutionary biology, and computer science. Applications include auctions, signaling games, and strategic games related to research in nuclear detection, triage and evacuation, among others. Many departments of computer science, mathematics, economics, and the behavioral sciences find the need to offer courses in game theory for diverse populations, yet they have no one to organize and teach such a course.

Organizers: Midge Cozzens, Research Faculty at Rutgers University
Joyati Debnath, Department of Mathematics and Statistics, Winona State University

Speakers: Midge Cozzens, Research Faculty at Rutgers University
Vicki Bier, University of Wisconsin, Madison, Industrial and Systems Engineering; Director of Center for Human Performance and Risk Analysis

Registration fees, lodging, meals and travel: *Academic participants:* registration, lodging and meals will be provided through DHS funding. *Government participants:* \$350. *For-Profit Corporation participants:* \$500 (includes all meals from Sunday dinner to Saturday lunch). Limited funds are expected to be available to provide partial support for travel.

Deadline for Applications is February 29, 2012 or until all slots are filled. Applications are to be submitted online at <http://ccicada.org/Reconnect/2012/ApplicationChecklistPage.html> and will be reviewed as they are received.

For more information: Christine Spassione (spassion@dimacs.rutgers.edu) or Midge Cozzens (midge6930@comcast.net) or visit the Reconnect web page <http://ccicada.org/Reconnect/2012/>.