



INFORMS UH Lecture Series

SPRING 2009

Presents

Dr. Illya Hicks

Rice University

Title: Detecting Cohesive Subgroups in Social Networks

10:00 am -11:00 am Friday, February 20, 2009

102 D, Eng. Building D2

Abstract

This talk gives a general overview of the maximum k -plex problem and other related problems such as the maximum co- k -plex problem and the co- k -plex chromatic number problem. The maximum k -plex problem was first introduced in the context of social network analysis but can be utilized in other applications like graph-based data mining, wireless networks, and telecommunications.

Dr. Hicks Biography

Illya V. Hicks, Ph.D. is an associate professor of Computational and Applied Mathematics at Rice University. His research interests are in combinatorial optimization, graph theory, and integer programming. Some applications of interest are network design, manufacturing, cancer treatment, social networks, and logistics. He received the 2005 Optimization Prize for Young Researchers from the Optimization Society of INFORMS and receives support for his research projects from the NSF. Dr. Hicks received his undergraduate degree in mathematics from Texas State University and his M.A. and Ph.D. in computational and applied mathematics from Rice University.

Details can be found at <http://www.uh.edu/~informs/events/events.htm>.

If you have any questions regarding this event, please contact Dr. Gino Lim at 713-743-4194 or at ginolim@uh.edu.