

SEMINAR SERIES
Department of Quantitative Analysis and Operations Management
College of Business, University of Cincinnati

COIN-OR: Why Pay
For What you Can Get for Free?

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FRIDAY, March 14, 2008
1:30 p.m.
218 Lindner Hall

In this talk we describe **COIN-OR** (COmputational INfrastructure for Operations Research). The COIN-OR project is an initiative to spur the development of open-source software for the operations research community. The goal of COIN-OR is to create for mathematical programming software what the open literature is for mathematical programming theory. We will demonstrate how to use the COIN-OR suite of optimization solvers to solve linear, integer, and nonlinear optimization problems. These are free industrial-grade optimization solvers. We also describe how open-source solvers can be used in research and teaching. Finally, we describe Optimization Services which is a COIN-OR project devoted to providing a framework for doing optimization in a distributed environment. A number of free optimization solvers will be provided to attendees on a CD.

Kipp Martin is Professor of Operations Research and Computing Technology in the Graduate School of Business at the University of Chicago. He is currently a visiting professor at the University of Cincinnati for the 2007-2008 school year. Professor Martin's current research is focused on modeling systems and languages with an emphasis on incorporating Web technologies such as XML, XSLT, XQuery, and Web Services into the mathematical modeling process. He has a Bachelor's degree in Mathematics, an MBA, and a Ph.D. in Quantitative Analysis, all from the University of Cincinnati.

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