

CODES - Dept. of Computer Science, KU Leuven & Arenberg Doctoral School are proud to invite you to a Meet the Jury seminar:

Sports Scheduling Meets Business Analytics

<http://set.kuleuven.be/phd/meetjury1415/trick>



Prof. Michael TRICK
Tepper School of
Business, Carnegie
Mellon University.
Senior Associate Dean,
Faculty and Research

Prof. Trick is a senior professor in Operations Research, specialized in computational methods in optimization and applications in sports and social choice. In 2002, he was President of the Institute for Operations Research and the Management Sciences (INFORMS). Prof. Trick is the author of more than 50 published papers and editor of five volumes of refereed articles. He has consulted extensively with the United States Postal Service on supply chain design, with Major League Baseball and a number of college basketball conferences on scheduling issues, and with companies such as Motorola and Sony on machine scheduling.



Date: December 5th; 10.00 AM

Venue: Arenbergkasteel -
Kasteelpark Arenberg 1, 3001
Heverlee, Auditorium 01.07.

Abstract: Faster computers and algorithms have transformed how sports schedules have been created in practice in a wide range of sports. Techniques such as Combinatorial Benders Decomposition, Large Scale Neighborhood Search, and Brand-and-Price have greatly increased the range of sports leagues that can use operations research methods to create their schedules. With this increase in computational and algorithmic power comes the opportunity to create not just playable schedules but more profitable schedules. Using data mining and other predictive analytics techniques, it is possible to model attendance and other revenue effects of the schedule. Combining these models with advanced schedule creation approaches leads to schedules that can generate more revenue for teams and leagues. These concepts are illustrated with experiences in professional and college sports leagues.

Prof. Trick is visiting KU Leuven at the occasion of the public defense of Joris Kinable's PhD on **Decomposition Approaches for Optimization Problems**. You are cordially invited to his public defense. For details: http://allserv.kahosl.be/~j.kinable/phd_invite/

This seminar is supported by the Belgian Science Policy Office (BELSPO) in the Interuniversity Attraction Pole COMEX.



Vlaamse
overheid

