Transportation Center Seminar Series presents…..

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The Center for Research on Transportation, University of Montreal

Some Successful Applications of DTA
(Dynamic Traffic Assignment)

Thursday, June 4, 2009
4:00 – 5:00 pm

Location:
Transportation Center –Lower level
Northwestern University
Chambers Hall - 600 Foster
Evanston, IL

Refreshments available at 3:30 pm

Abstract: Several successful applications of a dynamic traffic assignment model are presented. The model used is briefly described and then issues of calibration and validation are discussed in detail. The use of various data sources are evaluated and a calibration methodology is suggested.

BIO: Michael Florian is currently President of INRO Consultants of Montreal, Quebec, Canada. Dr. Florian, a pioneering leader in the field of Transportation Science, has distinguished himself as a scholar, a research manager, and a role model in the scientific community. As a scholar, he was among the early first contributors to the rigorous modeling, analysis, and computation of traffic network equilibria and instrumental in establishing connections with other related areas of application such as regional science through his work on spatial price equilibria. Through his leadership of the Center for Research in Transportation at the University of Montreal he enhanced the education of researchers and practitioners internationally. As a founding member of a transportation company he continues to apply rigorous methodologies for transportation analysis in practice in the global arena. His publications are widely cited and he has tirelessly presented papers and invited talks at scientific meetings. He has also served the transportation science research community generously through his editorial work and memberships on scientific committees.

Dr. Florian holds a BS in Mechanical Engineering from McGill University; and a MS and Dr. of Engineering Science (PhD) in Operations Research from Columbia University.

Dr. Florian has published over 150 articles in scientific journals and conference proceedings on transportation research and operations research. He has edited five books and authored a chapter on “Network Equilibrium” in the Handbook of Operations Research on Networks, as well as similar chapters in other handbooks, such as the Handbook of Transportation Science.

He is a member of the Royal Society of Canada; a recipient of the “R.D. Herman Life Achievement Award” – Transportation Science Section of the Institute for Operations Research & Management Sciences of America; was awarded an Honorary Doctorate from East China University of Technology; and the IBM Award for Pioneers of Computing in Canada.
**INRO Consultants:** INRO was formed in 1976 to bring leading-edge research and software to the transportation planning field. INRO designs and develops transport planning software to model urban, metropolitan and regional transportation systems, and to evaluate transport policy. INRO technology is designed to handle complex transport systems which account for the diverse technological, social, and economic challenges facing planners today. INRO offers on-demand professional services through INRO Solutions, with expertise in reviewing, designing, implementing and calibrating transportation planning and operations studies.