Transportation Research – Part C

Special Issue on

Artificial Intelligence in Transportation Analysis: Approaches, Methods, and Applications

Call for Papers

A Special Issue on Artificial Intelligence in Transportation Analysis: Approaches, Methods and Applications, is organized by Guest Editor, Prof. Shinya Kikuchi (kikuchi@vt.edu) for Transportation Research – Part C. The focus of this Special Issue is on research on the use of Artificial Intelligence (AI) in transportation analysis. AI has become a powerful tool in solving problems in transportation, in particular those which involve complex interactions of many parameters and those whose solutions are too complicated to obtain by the classical mathematical approach.

We solicit papers that discuss philosophies of AI approach in transportation analysis, innovative methods and techniques, and practical application (particularly experience with the application to the real world situations). The purpose of this special issue is to promote discussion and present products of AI approach to emerging problems, such as, treatment of uncertainty, knowledge acquisition, complex computation, handling of qualitative data and information, and multi-objective evaluation. The scope of the application is generally in transportation planning, design of infrastructure, and operation and management of transportation services of all modes.

Each paper will undergo the usual peer-review procedure. Authors must submit the manuscript directly to the EES website at http://ees.elsevier.com/trc/ and select "Special Issue: AI in Transport Systems" as the article type.

Important Dates:
Submission of Manuscripts: April 30, 2008
Peer-Review Results: October 31, 2008
Final Accepted Paper Submission: January 31 2009

Questions:

Shinya Kikuchi, Professor
Department of Civil and Environmental Engineering, Virginia Tech
7054 Haycock Rd, Falls Church, VA 22043 USA
Telephone (703)538-8436 (USA), Fax (703)538-8450 (USA), kikuchi@vt.edu