

# **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:**

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