

TRANSPORTATION RESEARCH RECORD

Journal of the Transportation Research Board, No. 2138

Human Performance,
Information Systems,
Simulation, and Visualization

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Foreword

The 2009 series of the *Transportation Research Record: Journal of the Transportation Research Board* consists of approximately 780 papers selected from 3,400 submissions after rigorous peer review. The peer review for each paper published in this volume was coordinated by the sponsoring committee acknowledged at the end of the text; members of the sponsoring committees for the papers in this volume are listed on page ii.

Additional information about the *Transportation Research Record: Journal of the Transportation Research Board* series and the peer review process appears on the inside back cover. TRB appreciates the interest shown by authors in offering their papers, and the Board looks forward to future submissions.

Note: Many of the photographs, figures, and tables in this volume have been converted from color to grayscale for printing. The electronic files of the papers, posted on the web at www.TRB.org/TRROnline, retain the color versions of photographs, figures, and tables as originally submitted for publication.