Preface

With the rapid implementation of Intelligent Transportation System (ITS) applications throughout the world, the surface transportation system has become more complex and dependent on an extensive grid of roadways, computing devices, and wireless and wired communication networks. Authors from several countries have contributed chapters that focus on different components of ITS and their applications. Topics covered in the book include: ITS sensing devices, wirelesses communication networks to support ITS applications, ITS technologies for reduced vehicle emissions and environmental impacts, microscopic modeling of ITS systems, active ITS traffic management practices, and ITS applications in developing countries. The open exchange of ITS-related scientific results and ideas will hopefully lead to improved understanding ITS systems and their design and operations and to a greater awareness of ITS technologies and their potentials and applications.

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