# bookreview

**Intelligent Vehicle Technology and Trends**
Richard Bishop
Artech House Publishers
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*Review by Joseph F. Ziomek*

This book on intelligent transportation systems (ITS) is most remarkable as it is very up to date on the ITS technologies being developed around the world. It was published this summer (2005) and contains information that was breaking news at the time of publishing, a remarkable achievement.

The book covers the ITS goals and visions for the future with information on Asia-Pacific, Europe, and North America and provides details of the visions for the future for each of those global regions.

ITS application areas are also covered including the latest offerings from the original equipment manufacturers (OEMs) like parking assist lane keeping and adaptive cruise control. Also, details on safety systems, in production ITS systems, and traffic assist systems are described.

An excellent summary of government-industry R&D programs is also featured. The 15 chapters in this book are an excellent compendium of the world of ITS development and provides excellent details of the ITS programs underway and the worldwide locations of GM, Ford, DaimlerChrysler, Honda, Toyota, Mitsubishi, PSA Peugeot Citron, Renault, VW, and Volvo Car and Truck.

Not to be forgotten are the first-tier suppliers for these worldwide OEMs like Delphi, Aisen, Bosch, Hella, Denso, SiemensVDO, Valeo, and Continental.

The shear volume of ITS technical data in this book from the OEMs and first-tier suppliers are worth more than the purchase price of this book as the effort to identify the source and then sort through the new from the old data is tremendous.

Lateral/side sensing and control, longitudinal sensing and control, integrated lateral and longitudinal control and sensing, and cooperative vehicle-highway systems (CVHS) are described in detail. Fully automated vehicles, floating car data systems, intelligent vehicles and their human interface issues as well as the emerging enabling technologies and future trends are discussed.

Richard Bishop's book, *Intelligent Vehicle Technology and Trends*, is a must-have book as we begin our journey ahead toward more intelligence embedded in our vehicles. This embedded intelligence technology will assist the driver not only in his daily commute but also in driving situations that could lead to unfortunate events that begin as conflicts and can lead to an accident or serious crash. It is a must-have book for engineers and executives that are involved in our emerging electronically assisted and intelligent vehicle designs.