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Altri autori (Persone)	JonesSamantha R
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Nota di contenuto	""HIGHWAYS: CONSTRUCTION, MANAGEMENT, AND MAINTENANCE ""; ""HIGHWAYS: CONSTRUCTION, MANAGEMENT, AND MAINTENANCE ""; ""Contents""; ""Preface""; ""The Role of Digital Road Maps in the Future""; ""Abstract""; ""1. Introduction""; ""2. Applications: Systems and Services""; ""2.1. Intelligent Transport Systems""; ""2.2. Use of digital maps in Intelligent Transport Systems and Services""; ""2.3. Assistance and Safety Systems""; ""2.3.1. Navigation Systems""; ""2.3.2. Intelligent Navigation Systems""; ""2.3.3. Onboard Traffic Signs Information""; ""2.3.4. Intelligent Speed Adaptation (ISA) Systems""; ""2.3.5. Curve Speed Warning Systems (CSWS)""""2.3.6. Fuel Consumption Optimization Considering the Following Stretches of Road""; ""2.3.7. Adaptive Cruise Control""; ""2.3.8. Lane Departure Warning System""; ""2.3.9. Intelligent Lighting System""; ""2.3.10. E-Call""; ""2.3.11. Autonomous Driving""; ""2.3.12. Cooperative Systems""; ""2.4. Centralized Management Services""; ""2.4.1. Traffic Monitoring and Management""; ""2.4.2. Commercial Vehicles Fleet Control""; ""2.4.3. Public Transport Fleet Control""; ""3. Detail and Accuracy Requirements"" ""3.1. Specifications of Digital Maps and Positioning Systems""""3.2. Map-Matching Algorithms""; ""4. Developing and Updating Digital

Maps"; "4.1. Development and Updating Levels"; "4.2. Means of Developing Digital Maps"; "4.3. Effort to Develop Digital Maps"; "4.4. Digital Map Updating"; "4.5. Data Quality Measures"; "Conclusion"; "References"; "Financing Highway Construction: Revolving Loan Systems as PAY-AS-YOU-USE"; "Abstract"; "Fiscal Stringencies and National Highway Systems"; "State Infrastructure Bank (SIB) Programs"; "Revolving Loan Systems (RLS) as PAY-AS-YOU-USE"; "Mechanisms Of Revolving Loan Systems (RLS)"; "Parameters Maximizing RLS Loans"; "Suggestions For Successful Implementation Of RIs Programs"; "Minimizing Stimulating Unnecessary Investment Projects"; "Maximizing Marketing of RLS Programs"; "Assessing Project and Credit Capacities of Borrowing Entities"; "Conclusion"; "The Balanced Vehicular Traffic Model"; "Abstract"; "Introduction"; "The Fundamental Diagram in Macroscopic Traffic Models"; "Balanced Vehicular Traffic"; "The Balanced Vehicular Traffic Model and Three-Phase Traffic Theory"; "Application to Traffic Networks"; "Conclusion"; "References"; "Non-Driver Understanding of Traffic Signs"; "Abstract"; "Introduction"; "Method"; "Participants"; "Traffic Signs"; "Procedure"; "Results"; "Comprehension Score"; "Sign Awareness"; "Discussion"; "Conclusion"; "Acknowledgment"; "References"; "Mitigation Measures to Reduce"; "Impacts on Biodiversity"; "Abstract"; "Introduction"; "Main Effects of Highways on Terrestrial Vertebrates"; "Road Mortality"; "Barrier Effects"
