## Perspectives on Intelligent Transportation Systems



Joseph M. Sussman

## **Contents**

I.	Introduction to Intelligent Transportation Systems (ITS)	1
	1. ITS: A Short History and a Perspective on the Future	3
11,	ITS Organizational Issues, Regionalism and the Transportation/ Information Infrastructure	19
	1. Transportation Operations: An Organizational and Institutional Perspective	21
	2. Deploying the Transportation/Information Infrastructure	75
	3. ITS Deployment and the "Competitive Region"	83
III.	ITS: Implications for the Transportation Profession and	
	Transportation Education	87
	1. Educating the "New Transportation Professional"	89
	2. The New Transportation Faculty: The Evolution to Engineering Systems	101

IV. "Thoughts on ITS", ITS Quarterly: Five Years of Columns on ITS Issues	
Beyond Technology—Local Organizational Readiness for ITS     Deployment	
2. Co-Opetition: A Framework for Analyzing ITS Relationships	
3. Teaching about ITS—A Moving Target	
4. ITS and Safety: A Worst Case Scenario	
5. AHS, ITS and Awareness	
6. The ITS Role at the Millennium	
7. ITS and the Federal Transportation Science and Technology Strategy	
8. ITS and "Rescuing Prometheus"	
9. ITS and Congestion	
10. Regional ITS Architecture Consistency: What Should It Mean?	
11. A Cautionary Note	
12. It Happened in Boston	
13. Considering ITS as a Complex Adaptive System	
14. Mega-Cities in Developing Countries—a Major ITS Market for the Future	
V. Where We Are Today in ITS and Issues for the Future	
Intelligent Transportation Systems at the Turning Point:     Preparing for Integrated, Regional and Market-Driven	
Deployment	
2. Transitions in the World of Transportation: A Systems View	
3. ITS: What We Know Now That We Wish We Knew Then: A Retrospective on the ITS 1992 Strategic Plan	
Afterword	
Index	