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Autore	Saporiti, Sonia
Titolo	Letteratura, mito, psicoanalisi : figure mitiche nella letteratura di lingua tedesca / Sonia Saporiti
Pubbl/distr/stampa	Cassino, : Edizioni dell'Università degli studi di Cassino, 2006
ISBN	8883170342 9788883170348
Descrizione fisica	242 p. ; 24 cm.
Collana	Edizioni Università di Cassino , . Collana scientifica ; 11
Disciplina	830.9928708691
Soggetti	Letteratura tedesca - Miti
Lingua di pubblicazione	Italiano
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Autore	Khan Ata M
Titolo	Shared Mobility and Automated Vehicles : Responding to Socio-Technical Changes and Pandemics
Pubbl/distr/stampa	Stevenage : , : Institution of Engineering & Technology, , 2022 ©2022
ISBN	1-83724-591-6 1-5231-4254-5 1-78561-863-6
Edizione	[1st ed.]
Descrizione fisica	1 online resource (544 pages)
Collana	Transportation
Altri autori (Persone)	ShaheenSusan Alison
Disciplina	303.4
Soggetti	Transportation - Social aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Intro -- Title -- Copyright -- Contents -- About the editors -- Preface -- 1 Introduction -- 1.1 Scope of the book -- 1.2 Advanced, safe, secure, and efficient mobility -- 1.3 Governance: policies and regulations -- 1.4 Social equity and justice -- 1.5 Sustainability: environmental and financial factors -- 1.6 Planning: transportation system and land use -- 1.7 Design, operations, and management -- 1.8 Implementation context, urban development, and other impacts -- 1.9 Adapting to the long-term effects of the global pandemic -- 1.10 Contents of the book -- 1.11 Audience for the book -- Author contributions -- Declaration of conflicting interests -- References -- 2 Navigating seismic shifts in transportation -- 2.1 Setting the stage: trends disrupting mobility -- 2.2 Converging innovations -- 2.3 Shared mobility, shared micromobility, and last mile delivery -- 2.4 Electrification and automation -- 2.5 Digital information, fare integration, and the commodification of transportation (digitization) -- 2.5.1 Mobility on demand (MOD) -- 2.5.2 Mobility as a Service (MaaS) -- 2.5.3 Differences between MOD and MaaS -- 2.6 Conclusion -- Author contributions -- Declaration of conflicting interests -- References -- 3 Policy and regulatory environment: shared automated vehicles -- 3.1 Introduction -- 3.1.1 Levels of automation -- 3.1.2 Four-phase transition framework -- 3.1.3 Current U.S. AV policies --

3.2 Federal -- 3.3 State -- 3.4 Local -- 3.5 Passenger safety -- 3.6 Data sharing -- 3.7 Mitigating externalities -- 3.7.1 Mitigating for congestion, VMT/VKT, and emissions -- 3.7.2 Social equity -- 3.7.3 Labor implications -- 3.8 SAV ownership and business model considerations -- 3.9 Public transit and SAVs -- 3.10 Policy options for federal, state, and local governments -- 3.10.1 Federal -- 3.10.2 State -- 3.10.3 Local -- 3.11 Conclusion.
Author contributions -- Declaration of conflicting interests -- References -- 4 Concept level designs: high-level architecture -- 4.1 Introduction -- 4.2 Shared mobility components and a general architecture -- 4.3 Shared mobility systems and their architectures -- 4.3.1 Incumbent shared mobility systems -- 4.3.2 Innovative shared mobility systems -- 4.4 Data architecture and management -- 4.4.1 Generalized data architecture -- 4.4.2 Data management -- 4.5 Summary -- Author contributions -- Declaration of conflicting interests -- References -- 5 Shared mobility: managing rights-of-way, developer incentives, and planning principles -- 5.1 Shared mobility and the public rights-of-way -- 5.1.1 Allocating rights-of-way and curb space -- 5.2 Shared mobility and the development process -- 5.2.1 Parking reductions and substitution -- 5.2.2 Density bonuses -- 5.2.3 Incentive zoning in practice -- 5.3 Shared mobility and the planning process -- 5.4 Shared mobility and the built environment -- 5.5 Stakeholder and public involvement -- 5.6 Conclusion -- Author contributions -- Declaration of conflicting interests -- References -- 6 Shared mobility services: prioritizing social good -- 6.1 Demographics of shared mobility users -- 6.2 Common transportation equity challenges -- 6.2.1 Access for persons with disabilities -- 6.2.2 Service for un- and under-banked households and low-income affordability -- 6.2.3 Digital poverty -- 6.2.4 Potential algorithm bias -- 6.3 STEPS to transportation equity -- 6.4 Social equity and access considerations for an SAV future -- 6.4.1 What are the spatial impacts of AVs/SAVs and how will this impact access and mobility? -- 6.4.2 How will public transportation be impacted in an AV future? -- 6.4.3 How can driverless vehicles help overcome temporal barriers to access?. 6.4.4 What should policymakers consider to better understand and respond to AV economic impacts on users and nonusers? -- 6.4.5 What policies are needed to ensure access for users with physiological and other special needs? -- 6.4.6 What will be the impacts of AVs/SAVs on social inclusion (e.g., social isolation, social interaction, public health, etc.)? -- 6.5 Conclusion -- Author contributions -- Declaration of conflicting interests -- References -- 7 Multimodal relationships: shared and automated vehicles and high-capacity public transit -- 7.1 Current relationship between TNCs and public transit -- 7.1.1 Modal characteristics -- 7.1.2 Passenger markets interactions -- 7.1.3 Operational impacts -- 7.2 Knowns and unknowns, needs and necessities -- 7.2.1 Transit automation and AVs -- 7.2.2 Economics of AV operations and future impacts on transit -- 7.2.3 Equity, accessibility, and environmental sustainability -- 7.3 Opportunities for integration of SAVs with public transit -- 7.3.1 Synergies involved in the integration between SAV and transit -- 7.3.2 Details of SAV-transit service integration -- 7.4 Transit-oriented versus generic SAV deployment -- 7.4.1 Who are we to serve? -- 7.4.2 How do we regulate? -- 7.4.3 How will riders behave? -- 7.4.4 What types of algorithms are needed? -- 7.5 Conclusion: searching for new avenues for integration -- Acknowledgments -- Author contributions -- Declaration of conflicting interests -- References -- 8 Design of systems with nonautomated electric vehicles -- 8.1 Introduction -- 8.2 Categories of services -- 8.3 Design framework for shared electric

vehicle system -- 8.3.1 Design variables -- 8.3.2 Multistation system -- 8.3.3 User access -- 8.3.4 User expectations -- 8.3.5 Vehicle fleet and relocation -- 8.3.6 Parking stalls and other infrastructure -- 8.3.7 Fast charger stalls.
8.3.8 System operation, control, and maintenance -- 8.4 Methods to support system design -- 8.4.1 Treatment of stochastic factors -- 8.4.2 Simulation and optimization techniques -- 8.5 Employee-dedicated shared vehicle system case study -- 8.5.1 General description -- 8.5.2 Location and size -- 8.5.3 Demand and fleet -- 8.5.4 Service factors -- 8.5.5 Serving higher demand levels -- 8.6 Design for ride-hailing EVs -- 8.6.1 Pick-up and drop-off facilities -- 8.6.2 Charging facilities -- 8.7 Conclusions -- Acknowledgments -- Author contribution -- Declaration of conflicting interests -- References -- 9 Design of systems with automated and electric vehicles -- 9.1 Introduction and background -- 9.2 Features of shared automated and electric vehicles -- 9.2.1 Fundamentals of automated vehicles -- 9.2.2 Fundamentals of electric vehicles -- 9.2.3 Convergence of automated and electric vehicles for shared mobility -- 9.3 Design of shared electric and automated mobility system -- 9.3.1 5A+S rule for SEAM system design -- 9.3.2 SEAM service type -- 9.3.3 SEAM system framework and key elements -- 9.3.4 Methods to support SEAM system design -- 9.4 SUMO-based modeling for demand-side cooperative shared automated mobility system: a case study -- 9.4.1 General description -- 9.4.2 Simulation framework -- 9.4.3 Ride matching optimization -- 9.4.4 Simulation setup and results -- 9.5 Conclusions and discussion -- Author contributions -- Declaration of conflicting interests -- References -- 10 Demand for shared mobility to complement public transportation: human-driven and automated vehicles -- 10.1 Introduction -- 10.2 Background -- 10.3 Methodology -- 10.3.1 Ride-sharing -- 10.3.2 Shared automated vehicles -- 10.4 Case study -- 10.4.1 Case study objectives -- 10.4.2 Problem definition -- 10.4.3 Results -- 10.5 Conclusion -- Author contributions.
Declaration of conflicting interests -- References -- 11 Demand for shared mobility to replace private mobility using connected and automated vehicles -- 11.1 Introduction -- 11.2 Background -- 11.3 Methodology -- 11.3.1 Dynamic demand -- 11.3.2 Centralized SCAV dispatcher system -- 11.3.3 Traffic microsimulator -- 11.4 Case study -- 11.5 Results -- 11.6 Summary and conclusion -- Author contributions -- Declaration of conflicting interests -- References -- 12 Matching demand and supply under uncertainty -- 12.1 Introduction -- 12.2 Purpose of demand-supply balance study -- 12.2.1 Methodological framework -- 12.2.2 Treating demand as well as supply as uncertain -- 12.2.3 Planning infrastructure, fleet, and control system -- 12.2.4 Demand-supply balance in operations -- 12.3 Example applications -- 12.3.1 Modeling availability of vehicles -- 12.3.2 Modeling availability of charging time -- 12.3.3 Decision to select the charging location -- 12.3.4 Application of the Bayesian method -- 12.4 Conclusions -- Acknowledgments -- Author contribution -- Declaration of conflicting interests -- References -- 13 Operations and management -- 13.1 Introduction and concepts -- 13.1.1 Cost-effectiveness for SAV operation -- 13.1.2 Core operating principles -- 13.1.3 Auxiliary operations with and without AV -- 13.2 System components -- 13.3 Reservation and access -- 13.3.1 Potential changes due to vehicle automation -- 13.4 Dispatching and ride matching -- 13.4.1 Potential changes due to vehicle automation -- 13.5 Routing and fleet monitoring -- 13.5.1 Operations change with automated vehicles -- 13.6 Payment and pricing -- 13.6.1 Operations

	change with automated vehicles -- 13.7 Performance optimization -- 13.8 Vehicle repositioning -- 13.8.1 Nonautomated vehicles -- 13.8.2 Automated vehicles -- 13.9 Vehicle refueling and maintenance -- 13.10 Summary. Author contributions.
Sommario/riassunto	Shared mobility is gaining increasing attention in private and public sectors. Serving as a source of information on how best to shape shared vehicle systems of the future, this book contributes knowledge on key facets of shared mobility. It includes shared vehicle systems as well as shared automated vehicle systems.