

1. Record Nr.	UNINA9910580214003321
Autore	Eichberger Arno
Titolo	Advances in Automated Driving Systems
Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
Descrizione fisica	1 online resource (294 p.)
Soggetti	History of engineering & technology Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Electrification, automation of vehicle control, digitalization and new mobility are the mega-trends in automotive engineering, and they are strongly connected. While many demonstrations for highly automated vehicles have been made worldwide, many challenges remain in bringing automated vehicles to the market for private and commercial use. The main challenges are as follows: reliable machine perception; accepted standards for vehicle-type approval and homologation; verification and validation of the functional safety, especially at SAE level 3+ systems; legal and ethical implications; acceptance of vehicle automation by occupants and society; interaction between automated and human-controlled vehicles in mixed traffic; human-machine interaction and usability; manipulation, misuse and cyber-security; the system costs of hard- and software and development efforts. This Special Issue was prepared in the years 2021 and 2022 and includes 15 papers with original research related to recent advances in the aforementioned challenges. The topics of this Special Issue cover: Machine perception for SAE L3+ driving automation; Trajectory planning and decision-making in complex traffic situations; X-by-Wire system components; Verification and validation of SAE L3+ systems; Misuse, manipulation and cybersecurity; Human-machine interactions, driver monitoring and driver-intention recognition; Road infrastructure measures for the introduction of SAE L3+ systems; Solutions for</p>

interactions between human- and machine-controlled vehicles in mixed traffic.

2. Record Nr.	UNINA9910483310503321
Titolo	Metadata and Semantic Research : 14th International Conference, MTSR 2020, Madrid, Spain, December 2–4, 2020, Revised Selected Papers // edited by Emmanouel Garoufallou, María-Antonia Ovalle-Perandones
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-71903-0
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (424 pages) : illustrations
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 1355
Disciplina	025.3
Soggetti	Information storage and retrieval systems Database management Expert systems (Computer science) Application software Information Storage and Retrieval Database Management System Database Management Knowledge Based Systems Computer and Information Systems Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Metadata, Linked Data, Semantics and Ontologies - General Session -- Track on Metadata and Semantics for Digital Libraries, Information Retrieval, Big, Linked, Social and Open Data -- Track on Metadata and Semantics for Agriculture, Food and Environment (AgroSEM'20) -- Track on Metadata and Semantics for Open Repositories, Research Information Systems and Data Infrastructures -- Track on Metadata and Semantics for Digital Humanities and Digital Curation (DHC2020) -- Track on Metadata and Semantics for Cultural Collections and

Applications -- Track on European and National Projects -- Track on Knowledge IT Artifacts (KITA) in professional communities and aggregations (KITA 2020).

Sommario/riassunto

This book constitutes the thoroughly refereed proceedings of the 14th International Conference on Metadata and Semantic Research, MTSR 2020, held in Madrid, Spain, in December 2020. Due to the COVID-19 pandemic the conference was held online. The 24 full and 13 short papers presented were carefully reviewed and selected from 82 submissions. The papers are organized in the following tracks: metadata, linked data, semantics and ontologies; metadata and semantics for digital libraries, information retrieval, big, linked, social and open data; metadata and semantics for agriculture, food, and environment, AgroSEM 2020; metadata and semantics for open repositories, research information systems and data infrastructures; digital humanities and digital curation, DHC 2020; metadata and semantics for cultural collections and applications; european and national projects; knowledge IT artifacts (KITA) in professional communities and aggregations, KITA 2020.
