1. Record Nr. UNISA990000143700203316

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| Titolo | Combustion chemistry / edited by W. C. Gardiner, Jr. ; with contributions by A. Burcat...[etal.] |
| Pubbl/distr/stampa | New York [etc.] : Springer-Verlag, copyr. 1984 |
| ISBN | 0-387-90963-X |
| Descrizione fisica | XI, 509 p. : 164 ill. ; 25 cm. |
| Disciplina | 541361 |
| Collocazione | 541.361 COM |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |

2. Record Nr. UNINA9911007131603321

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| Autore | Wishart Jeffrey |
| Titolo | Fundamentals of connected and automated vehicles / / by Jeffrey Wishart and Yan Chen, Steven Como, Narayanan Kidambi, Duo Lu and Yezhou Yang |
| Pubbl/distr/stampa | Warrendale, Pennsylvania : , : SAE International, , [2022]<br>©2022 |
| ISBN | 9781523149483<br>1523149485<br>9780768099829<br>076809982X<br>9780768099843<br>0768099846 |
| Edizione | [1st ed.] |
| Descrizione fisica | 1 online resource (1 PDF (xiii, 257 pages)) : illustrations |
| Disciplina | 629.046 |
| Soggetti | Automated vehicles<br>Automated vehicles - Technological innovations<br>Deep learning (Machine learning)<br>Multisensor data fusion<br>TECHNOLOGY & ENGINEERING / Automation<br>TRANSPORTATION / Automotive / General<br>TECHNOLOGY & ENGINEERING / Automotive<br>COMPUTERS / Artificial Intelligence / General |

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| | Automatic control engineering<br>Road and motor vehicles: general interest<br>Automotive technology and trades<br>Artificial intelligence |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Chapter 1. Introduction and history of connected and automated vehicles -- Chapter 2. Localization -- Chapter 3. Connectivity -- Chapter 4. Sensor and actuator hardware -- Chapter 5. Computer vision -- Chapter 6. Sensor fusion -- Chapter 7. Path planning and motion control -- Chapter 8. Verification and validation -- Chapter 9. Outlook. |
| Sommario/riassunto | The automotive industry is transforming to a greater degree that has occurred since Henry Ford introduced mass production of the automobile with the Model T in 1913. Advances in computing, data processing, and artificial intelligence (deep learning in particular) are driving the development of new levels of automation that will impact all aspects of our lives including our vehicles. What are Connected and Automated Vehicles (CAVs)? What are the underlying technologies that need to mature and converge for them to be widely deployed? Fundamentals of Connected and Automated Vehicles is written to answer these questions, educating the reader with the information required to make informed predictions of how and when CAVs will impact their lives. Topics covered include: History of Connected and Automated Vehicles, Localization, Connectivity, Sensor and Actuator Hardware, Computer Vision, Sensor Fusion, Path Planning and Motion Control, Verification and Validation, and Outlook for future of CAVs. |