

1. Record Nr.	UNINA9910796604903321
Autore	Mueck Markus
Titolo	Networking vehicles to everything : evolving automotive solutions // Markus Mueck and Ingolf Karls
Pubbl/distr/stampa	Berlin, [Germany] ; ; Boston, [Massachusetts] : , : De G Press, , 2018 ©2018
ISBN	1-5015-0720-6
Descrizione fisica	1 online resource (234 pages) : illustrations, tables
Disciplina	005.8
Soggetti	Mobile communication systems - Access control Mobile communication systems Vehicles - Automatic control Vehicles
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Frontmatter -- Acknowledgments -- Contents -- Preface -- Chapter 1. Introduction -- Chapter 2. Applications and Use Cases -- Chapter 3. V2X Requirements, Standards, and Regulations -- Chapter 4. Technologies -- Chapter 5. V2X networking and connectivity -- Chapter 6. Infotainment -- Chapter 7. Software Reconfiguration -- Chapter 8. Outlook -- Appendix A -- Index
Sommario/riassunto	Communication between vehicles and infrastructure will enable an entirely new way of managing traffic, reducing accidents, and increasing citizens' quality of life. Networking Vehicles to Everything provides a 360-degree overview of networking vehicle technology. This informational account also covers challenges, case considerations, current activities in standards, product implementation, and upcoming trends such as software reconfiguration, mmWave technology and advanced control theory tools. Readers will gain in-depth understanding of the main bodies and institutions developing and regulating the technology, current technological battles including in particular IEEE 802.11p and 3GPP LTE V2X technologies which compete for the top-spot in a multi-billion market, and will become aware of

currently open technological questions and corresponding trends in terms of applications and markets for any type of vehicle.
