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Descrizione fisica	1 online resource (x, 286 pages) : illustrations
Collana	Society of Automotive Engineers. Electronic publications
Disciplina	629.25/49
Soggetti	Integrated vehicle health management Motor vehicles - Electronic equipment Motor vehicles - Testing - Equipment and supplies Automotive sensors Automotive computers Automatic test equipment Airplanes - Maintenance and repair - Technological innovations Motor vehicle fleets - Maintenance and repair - Technological innovations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Sensors, instrumentation, and signal processing -- Data-driven anomaly detection and diagnosis -- Prognostics -- IVHM assessment metrics -- IVHM architecture -- Data management -- Vehicle-level reasoning systems -- IVHM system design -- Applications -- Disruptive technologies -- Summary and concluding remarks -- Appendix : Acronyms.
Sommario/riassunto	The third volume in the Integrated Vehicle Health Management (IVHM) series focuses on the technology that actually supports the implementation of IVHM in real-life situations. Edited by Ian K. Jennions, Director of the IVHM Center at Cranfield University, UK, this book was written collaboratively by twenty-seven authors from industry, academia and governmental research agencies. Topics

include: -Sensors, instrumentation and signal processing -Fault detection and diagnostics -Prognostics and metrics -Architecture -Data Management -Vehicle level reasoning systems -System's design - Applications and disruptive technologies Integrated Vehicle Health Management: The Technology follows two bestsellers, also published by SAE International, which cover the fundamentals aspects of this new body of knowledge (Integrated Vehicle Health Management: Perspectives on an Emerging Field), and the business justification needed so that investments in the technology make sense (Integrated Vehicle Health Management: Business Case Theory and Practice).

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