1. Record Nr. UNINA990002113020403321

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Titolo The trasformation of the Agrifood System incentral and Eastern Europe

and the New Independent States / Jill E. Hobbs, William A. Kerr and

James D. Gaisford

Pubbl/distr/stampa Oxon: CAB INTERNATIONAL, 1997

ISBN 0-85199-176-9

Descrizione fisica xvi, 394 p.; 23 cm

Locazione DAGEA

Collocazione 62 338.439 HOB

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia

Record Nr. UNINA9910824668603321

Titolo Integrated vehicle health management : implementation and lessons

learned / / edited by Ian K. Jennions

Pubbl/distr/stampa Warrendale, Pennsylvania (400 Commonwealth Dr., Warrendale PA USA)

: , : Society of Automotive Engineers, , [2015]

ISBN 0-7680-8855-0

0-7680-8089-4

Descrizione fisica 1 online resource (xvi, 203 pages) : illustrations (some color)

Collana Society of Automotive Engineers. Electronic publications

Disciplina 629.28

Soggetti Integrated vehicle health management - Evaluation

Motor vehicles - Electronic equipment

Motor vehicles - Testing - Equipment and supplies

Automotive sensors
Automotive computers
Automatic test equipment

Motor vehicle fleets - Maintenance and repair - Technological

innovations

Airplanes - Maintenance and repair - Technological innovations Motor vehicle industry - Technological innovations - Evaluation

Aircraft industry - Technological innovations - Evaluation

TECHNOLOGY & ENGINEERING / Automotive

COMPUTERS / Software Development & Engineering / General TRANSPORTATION / Automotive / Repair & Maintenance TECHNOLOGY & ENGINEERING / Aeronautics & Astronautics

Automotive technology and trades

Computer programming / software engineering

Vehicle maintenance and manuals Automotive (motor mechanic) skills Aerospace and aviation technology

Astronautics

Lingua di pubblicazione

Inglese

Livello bibliografico

Monografia

Note generali

Formato

"SAE order number R-438"--Title page verso.

Includes index.

Materiale a stampa

Nota di bibliografia

Includes bibliographical references and index.

Nota di contenuto

Introduction -- Human factors -- Trust -- Looking after planes, trains, clean energy, and human health -- IVHM systems -- Lessons learned in developing and implementing APU health management -- IVHM automated APU in-flight start program -- The RASSC project --Computer forensics -- Reproducible biotechnology -- Rotorcraft HUMS -- Implementation of THUMS and CBM in the Israeli Air Force -- Short history of IVHM in Honeywell -- Insights on IVHM implementation at Airbus -- Aircraft health and trend monitoring -- The road to vehicle health management -- Summary and conclusion.

Sommario/riassunto

"... This new book introduces a variety of case studies, lessons learned. and insights on what it really means to develop, implement, or manage an integrated system of systems. Integrated Vehicle Health Management: Implementation and Lessons Learned brings to the reader a wide set of hands-on stories, made possible by the contribution of twenty-three authors, who agreed to share their experience and wisdom on how new technologies are developed and put to work. ... [the book has] seventeen, fully illustrated chapters, covers diverse areas of expertise such as the impact of trust, human factors, and evidential integrity in system development. They are complemented by valuable insights on implementing APU health management, aircraft health trend monitoring, and the historical perspective of how rotorcraft HUMS (Health and Usage Monitoring Systems) opened doors for the adoption of this cutting-edge technology by the global commercial aviation industry."--