1. Record Nr. UNINA9910463588403321

Autore	Wentz Rachel K
Titolo	Let burn [[electronic resource]] : the making and breaking of a firefighter/paramedic / / Rachel K. Wentz
Pubbl/distr/stampa	East Lansing, : Michigan State University Press, 2013
ISBN	1-62895-090-0 1-60917-357-0
Descrizione fisica	1 online resource (286 p.)
Disciplina	616.02/5092 B
Soggetti	Women fire fighters - Florida Allied health personnel - Florida Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	pt. 1. Into the field -- pt. 2. OFD -- pt. 3. Command -- pt. 4. And it all came crashing down.
Sommario/riassunto	In 1985, desiring a meaningful, high-paced career in public service, Rachel Wentz left her university studies to become a firefighter/paramedic. Only the eighth woman hired by the Orlando Fire Department, a highly competitive department steeped in tradition, Wentz excelled, completing an AS in Fire Science, a master's in public administration, and numerous specialized training courses to prepare her for an administrative position within the department. Wentz spent eleven years with OFD, experiencing a career that was every bit as exciting and challenging as she had sought. A moving, candid, a

2. Record Nr. UNINA9910778543803321

Autore	Cinnamon John D
Titolo	Hypervelocity gouging impacts [[electronic resource] /] / John D. Cinnamon
Pubbl/distr/stampa	Reston, Va., : American Institute of Aeronautics and Astronautics, 2009
ISBN	1-56347-985-0 1-56347-984-2 1-61583-073-1
Descrizione fisica	xxi, 233 p. : ill. (some col.)
Collana	Progress in astronautics and aeronautics ; ; v. 228
Disciplina	620.1/12
Soggetti	Impact Materials - Dynamic testing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Hypervelocity gouging problem overview -- Previous research in the hypervelocity gouging phenomenon -- Theoretical background -- Characterization of gouging -- Constitutive model development -- Validation of constitutive models for midrange strain rates -- Scaled laboratory hypervelocity gouging test -- Validation of constitutive models for high strain rates in hypervelocity impact -- Simulation of HHSTT Hypervelocity gouging scenario -- Conclusions.
Sommario/riassunto	When materials interact at hypervelocity (on the order of Mach 8.5 and above) unexpected results can occur. This book addresses the effects of hypervelocity impact, summarizing past and present research efforts as well as setting out the theoretical foundation for understanding material interactions at such velocity. It focuses on research conducted at the Holloman Air Force Base High Speed Test Track (HHSTT), which is working toward a test vehicle speed above Mach 10. Researchers have found that as the sled's speed has increased to Mach 8.5, a material interaction has developed that causes "gouging" in the rails and the sled's "shoes", which can lead to catastrophic failure. The author evaluates the HHSTT gouging phenomenon and offers recommendations to mitigate the occurrence of hypervelocity gouging. His insights and recommendations will also find wide applicability in

other areas, such as railguns, orbital debris, and weapon design--