1. Record Nr. UNINA9910456971103321

Titolo	Single- and multi-phase flows in an electromagnetic field [[electronic resource]] : energy, metallurgical, and solar applications / / edited by Herman Branover, Paul S. Lykoudis, Michael Mond
Pubbl/distr/stampa	New York, : American Institute of Aeronautics and Astronautics, c1985
ISBN	1-60086-568-2 1-60086-349-3
Descrizione fisica	1 online resource (769 p.)
Collana	Progress in astronautics and aeronautics ; ; v. 100
Altri autori (Persone)	BranoverHerman <1931-> LykoudisP. S <1926-> (Paul S.) MondMichael
Disciplina	629.1 s 538/.6
Soggetti	Magnetohydrodynamics Turbulence Two-phase flow Liquid metals Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Technical papers from the Proceedings of the Fourth Beer-Sheva International Seminar on Magnetohydrodynamic Flows and Turbulence, Ben-Gurion University of the Negev, Beer-Sheva, Israel, February 27-March 2, 1984, and subsequently revised for this volume."
Nota di bibliografia	Includes bibliographies and index.
Nota di contenuto	""Cover""; ""Title""; ""Copyright""; ""Table of Contents""; ""Preface""; ""Chapter I. Laminar MHD Flows""; ""Laminar Duct Flows in Strong Magnetic Fields""; ""Approximate Side Layer Solutions for a Liquid Metal Flow in a Rectangular Duct with a Strong Nonuniform Magnetic Field""; ""Applications of MHD Flows Between Rotating Disks""; ""Unsteady Magnetoaerodynamic Supersonic Flows Past Oscillating Thin Bodies and Lifting Surfaces""; ""Chapter II. MHD and HD Turbulence""; ""Two-Dimensional Behavior of Electrically Driven Flows at High Hartmann Numbers"" ""Transition from Three-Dimensional to Quasi-Two-Dimensional MHD Grid Turbulence""""Direct Numerical Simulation of Two-Dimensional

Turbulence""; ""Experiments in Duct Flows with Reversed Turbulent Energy Cascades""; ""Direct Numerical Simulation of Three-Dimensional Convection in Liquid Metals""; ""Magneto-Fluid-Mechanic Turbulent Vortex Streets""; ""Numerical Simulation of Homogeneous Turbulence Submitted to Two Successive Plane Strains and to Solid Body Rotation""; ""Sensitivity of Turbulent Channel Flow to the Interactions at the Perimeter""
""Electrogasdynamic and Kinetic Phenomena in Diffuse Electrical Discharges in Turbulent Gas Flows""""""Homotopic Structural Invariants in HD and MHD Turbulence""; ""Chapter III. Two-Phase Flows""; ""Liquid Metal Magneto-Fluid-Mechanic Turbubblence""; ""Bubble Growth in a Superheated Liquid Metal in a Uniform Magnetic Field""; ""Analysis of Two-Phase MHD Flow in Converging-Diverging Ducts""; ""Stability of Two-Phase Liquid Metal MHD Channel Flow""; ""An Analytical Model for Bubbly Flow""; ""Computer Modeling for Single-Phase Reacting Flow Patterns""
""Two-Phase Flow Measurement Using a Modified Laser Doppler Anemometry System""""""Chapter IV. MHD Power Generation and Application to Fission and Fusion Reactors""; ""Liquid Metal MHD Power Generationa€?Its Evolution and Status""; ""Tin-Water Faraday Generator""; ""The ETGAR Liquid Metal MHD Project""; ""Investigation of a Lithium-Caesium Faraday Converter""; ""The Feasibility of Remote Power Generation Based on LMMHD and Biomass Energy""; ""Interaction of Hall Currents and Turbulent Boundary Layers in Closed-Cycle MHD Experiments""; ""Streamer Dynamics in MHD Generators""
""Magneto-Fluid-Dynamic Issues for Fusion First-Wall and Blanket Systems""""""Experiments on a Large Thin-Wall Duct""; ""Demonstration of Flow Couplers for the LMFBR""; ""Disk Generator Performance Prospects""; ""High-Temperature Liquid Metal MHD Solar Thermal Systems""; ""Chapter V. Metallurgical Applications""; ""Metallurgical Applications of MHD""; ""Current Paths and MHD in Vacuum Arc Remelting""; ""Electromagnetic Modelization of Cold Crucibles""; ""Shaping of Liquid Metal Cylinders""; ""Shield Effects in Continuous Electromagnetic Casting""
""Investigation of the Turbulent Flow in an Induction Furnace Supplied with Various Frequencies""

2. Record Nr. UNINA9910557264803321

Autore	Javier Moreno F
Titolo	Dietary Carbohydrate Digestibility and Metabolic Effects in Human Health
Pubbl/distr/stampa	Frontiers Media SA, 2019
Descrizione fisica	1 online resource (114 p.)
Soggetti	Dietetics and nutrition Medicine and Nursing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.org/about/contact

3.	Record Nr.	UNINA9910219985603321
	Titolo	Common battlefield training for airmen / / Thomas Manacapilli ... [et al.]
	Pubbl/distr/stampa	Santa Monica, CA, : Rand Corp., 2007
	ISBN	1-281-43014-5 9786611430146
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (xxv, 138 pages) : illustrations
	Collana	RAND Project Air Force
	Altri autori (Persone)	ManacapilliThomas
	Disciplina	358.4/15071073
	Soggetti	Aeronautics, Military - Study and teaching - United States
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references (p. 137-138).
	Nota di contenuto	Cover; Preface; Contents; Figures; Tables; Summary; Acknowledgments; Glossary; Chapter One - Introduction; Definitions; History; Limitations of This Study; Organization of This Monograph; Chapter Two - Evaluation of Common Battlefield Airman Training; CBAT Evaluation Process; Assessment Goals; Caveats; CBAT Requirements; CBAT Course Enhancements and Proficiency Deferrals; Additional Considerations; Chapter Three - Resource Requirements for the CBAT Course; Building a CBAT Model; Assumptions; CBAT Requirements; Summary of CBAT Requirements; Chapter Four - Developing a CBAT Companion Course Introduction Stage 1: Focus Groups; Stage 2: Survey; Stage 3: Follow-Up Interviews; Stage 4: Sorting by Subject-Matter Experts; Recommendations; Chapter Five - Next Steps; Appendix A - CBAT Course Description; Appendix B - Development of CBAT Model Courses; Appendix C - RAND Schoolhouse Model Data Inputs and Outputs; Appendix D - CBAT Companion-Related Excerpts from the Air Force Lessons Learned Database; Appendix E - CBAT Companion Survey Items; Appendix F - CBAT Companion List of Incidents and SME Categorizations; Bibliography
	Sommario/riassunto	"Members of Air Force specialties that normally work inside the defended perimeter of a base or deployed location may sometimes have to cross that perimeter. What might seem fairly benign in some locations, such as Germany, would be hazardous in others, such as Iraq. And some initially deployed to a "safe" location may be redeployed

to a more hazardous one. While those who routinely go "outside the wire" receive appropriate training, the others historically have not. The Air Force is thus seeking to establish common battlefield airman training (CBAT) and asked RAND Project Air Force to examine the content and resources both for this course and a companion course for non-ground combat personnel. RAND conducted surveys and interviews to determine the kinds of experiences airmen have had "outside the wire" and worked with subject-matter experts to categorize them and suggest appropriate types and amounts of training for them. This report presents the results of these activities."--Publisher's website