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Autore	Sant Toni
Titolo	Franklin Furnace and the spirit of the avant-garde [[electronic resource]] : a history of the future / / Toni Sant
Pubbl/distr/stampa	Bristol, UK ; ; Chicago, : Intellect, 2011
ISBN	1-283-16262-8 9786613162625 1-84150-443-2
Descrizione fisica	1 online resource (186 p.)
Disciplina	700.411 709.04/070747471
Soggetti	Avant-garde (Aesthetics) - United States - History - 20th century Avant-garde (Aesthetics) - United States - History - 21st century Arts - Experimental methods - History - 20th century Arts - Experimental methods - History - 21st century Electronic books.
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 and index.
Nota di contenuto	Front Cover; Preliminary Pages; Contents; Acknowledgements; Introduction; Part I; Chapter 1: Franklin Furnace: A Timeline; Chapter 2: A Long Conversation with Martha Wilson; Part II; Chapter 3: Broadcasting Artists' Ideas; Chapter 4: Virtually Live; Chapter 5: Preserving the Avant-Garde; Franklin Furnace Publications; References; Index; Back Cover
Sommario/riassunto	Franklin Furnace is a renowned New York-based arts organization whose mission is to preserve, document, and present works of avant-garde art by emerging artists - particularly those whose works may be vulnerable due to institutional neglect or politically unpopular content. Over more than thirty years, Franklin Furnace has exhibited works by hundreds of avant-garde artists, some of whom - Laurie Anderson, Vito Acconci and the Blue Man Group, to name a few - are now established names in contemporary art. Here, for the first time, is a comprehensive history of this remarkable organization from i

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Titolo	Applied superconductivity : handbook on devices and applications / / edited by Paul Seidel
Pubbl/distr/stampa	Weinheim an der Bergstrasse, Germany : , : Wiley-VCH, , 2015 ©2015
ISBN	3-527-67065-3 3-527-67063-7 3-527-67066-1
Descrizione fisica	1 online resource (1316 pages)
Collana	Encyclopedia of Applied Physics.
Disciplina	621.35
Soggetti	Superconductivity Superconductors
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Applied Superconductivity; Contents; Conductorart by Claus Grupen (drawing); SQUIDart by Claus Grupen (drawing); Preface; List of Contributors; Volume 1; Chapter 1 Fundamentals; 1.1 Superconductivity; 1.1.1 Basic Properties and Parameters of Superconductors; 1.1.1.1 Superconducting Transition and Loss of DC Resistance; 1.1.1.2 Ideal Diamagnetism, Flux Quantization, and Critical Fields; 1.1.1.3 The Origin of Flux Quantization, London Penetration Depth and Ginzburg-Landau Coherence Length; 1.1.1.4 Critical Currents; References; 1.1.2 Review on Superconducting Materials; 1.1.2.1 Introduction 1.1.2.2 Cuprate High-Temperature Superconductors1.1.2.3 Other Oxide Superconductors; 1.1.2.4 Iron-Based Superconductors; 1.1.2.5 Heavy Fermion Superconductors; 1.1.2.6 Organic and Other Carbon-Based Superconductors; 1.1.2.7 Borides and Borocarbides; References; 1.2 Main Related Effects; 1.2.1 Proximity Effect; 1.2.1.1 Introduction; 1.2.1.2 Metal-Insulator Contact; 1.2.1.3 Normal Metal-Superconductor Contact; 1.2.1.4 Ferromagnetic Metal-Superconductor Contact; 1.2.1.5 New Perspectives and New Challenges; 1.2.1.6 Summary; References; 1.2.2 Tunneling and Superconductivity; 1.2.2.1 Introduction

1.2.2.2 Normal/Insulator/Normal Tunnel Junctions1.2.2.3 Normal/Insulator/Superconducting Tunnel Junctions; 1.2.2.4 Superconductor/Insulator/Superconducting Tunnel Junctions; 1.2.2.5 Superconducting Quantum Interference Devices (SQUIDs); 1.2.2.6 Phonon Structure; 1.2.2.7 Geometrical Resonances; 1.2.2.8 Scanning Tunneling Microscopy; 1.2.2.9 Charging Effects; References; 1.2.3 Flux Pinning; 1.2.3.1 Introduction; 1.2.3.2 Flux Lines, Flux Motion, and Dissipation; 1.2.3.3 Sources of Flux Pinning; 1.2.3.4 Flux Pinning in Technological Superconductors
1.2.3.5 Experimental Determination of Pinning Forces1.2.3.6 Regimes of Flux Motion; 1.2.3.7 Limitations on Core Pinning Efficacy; 1.2.3.8 Magnetic Pinning of Flux Lines; 1.2.3.9 Flux Pinning Anisotropy; 1.2.3.10 Maximum Entropy Treatment of Flux Pinning; References; 1.2.4 AC Losses and Numerical Modeling of Superconductors; 1.2.4.1 Introduction; 1.2.4.2 General Features of AC Loss Characteristics; 1.2.4.3 Measuring AC Losses; 1.2.4.3.1 Transport Losses; 1.2.4.3.2 Magnetization Losses; 1.2.4.3.3 Combination of Transport and Magnetization AC Losses; 1.2.4.4 Computing AC Losses
1.2.4.4.1 Analytical Computation1.2.4.4.2 Numerical Computation; References; Chapter 2 Superconducting Materials; 2.1 Low-Temperature Superconductors; 2.1.1 Metals, Alloys, and Intermetallic Compounds; 2.1.1.1 Introduction; 2.1.1.2 Type I and Type II Superconductor Elements and High-Field Alloys; 2.1.1.2.1 Fundamental Superconductor Properties; 2.1.1.2.2 Elemental Superconductors and Their Applications; 2.1.1.2.3 The Effect of Alloying; 2.1.1.3 Superconducting Intermetallic Compounds; 2.1.1.4 Pinning in Hard Type II Superconductors; 2.1.1.5 Design Principles of Technical Conductors
2.1.1.5.1 Electromagnetic Considerations

Sommario/riassunto

This wide-ranging presentation of applied superconductivity, from fundamentals and materials right up to the details of many applications, is an essential reference for physicists and engineers in academic research as well as in industry. Readers looking for a comprehensive overview on basic effects related to superconductivity and superconducting materials will expand their knowledge and understanding of both low and high Tc superconductors with respect to their application. Technology, preparation and characterization are covered for bulk, single crystals, thins fi lms as well as electronic

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Disciplina	006.3/2
Soggetti	Neural computers Cognitive science Artificial intelligence Engineering & Applied Sciences Computer Science
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Formato	Materiale a stampa
Livello bibliografico	Monografia
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