

1. Record Nr.	UNINA9910452908703321
Autore	Charter Martin
Titolo	Sustainable Solutions : Developing Products and Services for the Future // Martin Charter
Pubbl/distr/stampa	London : , : Taylor and Francis, , 2017
ISBN	1-351-28247-6 1-351-28248-4 1-907643-21-4
Edizione	[First edition.]
Descrizione fisica	1 online resource (471 p.)
Altri autori (Persone)	TischnerUrsula
Disciplina	658.5/752
Soggetti	Production management - Environmental aspects New products - Environmental aspects Sustainable development 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 (p. [431]-447) and index.
Nota di contenuto	pt. 1. Background to sustainable consumption and production -- pt. 2. Sustainable, eco-product and eco-service development -- pt. 3. Case studies.
Sommario/riassunto	"Toughening environmental legislation, national and supra-national environmental product policies and growing customer demands are focusing the attention of companies on the environmental and broader social issues linked to the creation and delivery of their products and services. There is now an urgent need for appropriate management structures, practical tools and increased awareness among all stakeholders in the product development process and throughout the entire product life-cycle. These are huge issues - with major implications for corporate management, design and production strategies. Sustainable Solutions provides state-of-the-art analysis and case studies on why and how cutting-edge companies are developing new products and services to fit "triple-bottom-line" expectations. The book is split into three sections: first, the broad issues of business sustainability are examined with focus on sustainable production and consumption and consideration of North-South issues. Second, the

book tackles the major methodologies and approaches toward organising and developing more sustainable products and services. Third, an outstanding collection of global case studies highlights the progress made by a wide range of companies toward dematerialisation, eco-innovation and design for durability. Finally, the book collects together a comprehensive list of web addresses of useful organisations. Practical and comprehensive, Sustainable Solutions will be essential reading for corporate managers, product designers, R & D staff, academics and all individuals interested in a definitive source on how new product and service development can and is contributing toward tackling the challenge of sustainable development."--Provided by publisher.

2. Record Nr.	UNINA9910303442003321
Autore	Spurio Maurizio
Titolo	Probes of Multimessenger Astrophysics : Charged cosmic rays, neutrinos, -rays and gravitational waves / / by Maurizio Spurio
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-96854-8
Edizione	[2nd ed. 2018.]
Descrizione fisica	1 online resource (XIX, 591 p. 203 illus., 177 illus. in color.)
Collana	Astronomy and Astrophysics Library, , 0941-7834
Disciplina	523.01
Soggetti	Astrophysics Particle acceleration Astrophysics and Astroparticles Particle Acceleration and Detection, Beam Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Preface -- An Overview of Multimessenger Astrophysics -- Charged Cosmic Rays in our Galaxy -- Direct Cosmic Rays Detection: Protons, Nuclei, Electrons and Antimatter -- Indirect Cosmic Rays Detection: Particle Showers in the Atmosphere -- Diffusion of Cosmic Rays in the Galaxy -- Galactic Acceleration and Acceleration Mechanisms -- The Extragalactic Sources and Ultra High Energy Cosmic Rays -- The Sky

Seen in -Rays -- The TeV Sky and Multiwavelength Astrophysics -- High-Energy Neutrino Astrophysics -- Atmospheric Muons and Neutrinos -- Low-Energy Neutrino Physics and Astrophysics -- Basics on the Observations of Gravitational Waves -- Microcosm and Macrocosm -- Conclusions -- Index.

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### Sommario/riassunto

"I have taught from and enjoyed the first edition of the book. The selection of topics is the best I've seen. Maurizio Spurio gives very clear presentations using a generous amount of observational data. " James Matthews (Louisiana State University) This is the second edition of an introduction to "multi-messenger" astrophysics. It covers the many different aspects connecting particle physics with astrophysics and cosmology and introduces high-energy astrophysics using different probes: the electromagnetic radiation, with techniques developed by traditional astronomy; charged cosmic rays, gamma-rays and neutrinos, with methods developed in high-energy laboratories; and gravitational waves, recently observed using laser interferometers. The book offers a comprehensive and systematic approach to the theoretical background and the experimental aspects of the study of the high-energy universe. The breakthrough discovery of gravitational waves motivated this new edition of the book, to offer a more global and multimessenger vision of high-energy astrophysics. This second edition is updated and enriched with substantial new materials also deriving from the results obtained at the LIGO/Virgo observatories. For the first time it is now possible to draw the connection between gravitational waves, traditional astronomical observations and other probes (in particular, gamma-rays and neutrinos). The book draws on the extensive courses of Professor Maurizio Spurio at the University of Bologna and it is aimed at graduate students and post-graduate researchers with a basic understanding of particle and nuclear physics. It will also be of interest to particle physicists working in accelerator/collider physics who are keen to understand the mechanisms of the largest accelerators in the Universe. .

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