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Titolo	New Light Through Old Windows: Exploring Contemporary Science Through 12 Classic Science Fiction Tales // by Stephen Webb
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Descrizione fisica	1 online resource (309 pages)
Collana	Science and Fiction, , 2197-1188
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Soggetti	Physics Literature Fiction Artificial intelligence Popular Science in Physics Popular Science in Literature Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Life ... but not as we know It -- The terror of Blue John Gap / Arthur Conan Doyle -- Transmogrification The Voice in the Night / William Hope Hodgson -- Pandemic -- The Scarlet Plague / Jack London-- Life on Mars -- A Martian Odyssey / Stanley G. Weinbaum -- Artificial Intelligence -- Moxon's Master / Ambrose Bierce -- Attractive Androids -- The Sandman / E.T.A. Hoffmann -- Big Data -- The Universal Library / Kurd Lasswitz -- Faster Than Light Travel -- The Tacypomp: A mathematical demonstration / E.P. Mitchell -- Antigravity -- A Tale of Negative Gravity / Frank R. Stockton -- Matter Transmission -- Prof. Vehr's Electrical Experiment / Robert Duncan Milne -- The Sub-microscopic World -- The Diamond Lens / Fitz-James O'Brien -- Impact Events -- The Star / H.G. Wells.
Sommario/riassunto	This book presents the reader with some of the earliest classic SF short stories – all of them published between 1858 and 1934, featuring both well-known and long-forgotten writers – dealing for the first time with topics to which science had (some) answers only at much later stages.

This includes aspects of alien life forms, transmogrification, pandemics, life on Mars, android robots, big data, matter transmission and impact events to name but a few. The short stories are reprinted in full alongside extensive commentaries which also examine some of the latest scientific thinking surrounding the story's main theme and provide the reader with suggestions for further reading. Since gaining a BSc in physics from the University of Bristol and a PhD in theoretical physics from the University of Manchester, Stephen Webb has worked in a variety of universities in the UK. He has published an undergraduate textbook *Measuring the Universe - The Cosmological Distance Ladder* (1999) as well as several popular science books, among them *Out of this World - Colliding Universes, Branes, Strings, and Other Wild Ideas of Modern Physics* in 2004, *New Eyes on the Universe - Twelve Cosmic Mysteries and the Tools We Need to Solve Them* in 2012, the second edition of *If the Universe Is Teeming with Aliens ... WHERE IS EVERYBODY? Seventy-Five Solutions to the Fermi Paradox and the Problem of Extraterrestrial Life* in 2015, *All the Wonder that Would Be - Exploring Past Notions of the Future* in 2017, also published as part of Springer's Science and Fiction series, as well as recently, *Clash of Symbols - A ride through the riches of glyphs*. His 2018 TED talk on aliens has to date been watched more than 2.33 million times.

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