1. Record Nr.            UNINA9910808168003321

   Autore               Collier Bruce

   Titolo               Charles Babbage and the engines of perfection / / Bruce Collier and
                        James MacLachlan

   Pubbl/distr/stampa   New York ; ; Oxford : , : Oxford University Press, , [1998]
                        ©1998

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   Descrizione fisica   1 online resource (123 pages) : illustrations

   Collana              Oxford portraits in science

   Altri autori (Persone)  MacLachlanJames H. <1928->

   Disciplina           681.140924

   Soggetti             Mathematicians - England

   Lingua di pubblicazione  Inglese

   Formato              Materiale a stampa

   Livello bibliografico  Monografia

   Sommario/riassunto   Charles Babbage, the grandfather of the modern computer, did not live
                        to see even one of his calculating machines at work. A dazzling genius
                        with vision extending far beyond the limitations of the Victorian age,
                        Babbage successfully calculated a table of logarithms during his years
                        at Cambridge University, allowing mathematical calculations to be
                        executed with extreme precision. Only the possibility of human error
                        prevented complete accuracy, and Babbage understood that the only
                        way to attain perfection is to leave the human mind entirely out of the
                        equation. He devoted most of his life and spent most of his private
                        fortune and government stipend trying to improve his difference
                        engines and analytical engines. Bruce Collier and James MacLachlan
                        chronicle Babbage's education and scientific career, his remarkably
                        active social life and long string of personal tragedies, his forays into
                        philosophy and economics, his successes and failures, and the biggest
                        disappointment of his life-- his ingenious inventions were centuries
                        ahead of the primitive capabilities of Victorian technology. Oxford
                        Portraits in Science is an on-going series of scientific biographies for
                        young adults. Written by top scholars and writers, each biography
                        examines the personality of its subject as well as the thought process
                        leading to his or her discoveries. These illustrated biographies combine

accessible technical information with compelling personal stories to portray the scientists whose work has shaped our understanding of the natural world.

2.

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| Record Nr. | UNINA9910483494003321 |
| Autore | Sarmah Dipti Kapoor |
| Titolo | Optimization Models in Steganography Using Metaheuristics / / by Dipti Kapoor Sarmah, Anand J. Kulkarni, Ajith Abraham |
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| ISBN | 9783030420444 |
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| Edizione | [1st ed. 2020.] |
| Descrizione fisica | 1 online resource (174 pages) |
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| Disciplina | 652.8 |
| Soggetti | Computational intelligence |
| | Artificial intelligence |
| | Computer vision |
| | Computational Intelligence |
| | Artificial Intelligence |
| | Computer Vision |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references. |
| Sommario/riassunto | This book explores the use of a socio-inspired optimization algorithm (the Cohort Intelligence algorithm), along with Cognitive Computing and a Multi-Random Start Local Search optimization algorithm. One of the most important types of media used for steganography is the JPEG image. Considering four important aspects of steganography techniques – picture quality, high data-hiding capacity, secret text security and computational time – the book provides extensive information on four novel image-based steganography approaches that employ JPEG compression. Academics, scientists and engineers engaged in research, development and application of steganography |

techniques, optimization and data analytics will find the book's comprehensive coverage an invaluable resource.