1. Record Nr. UNINA9910782015503321

Titolo	Systems bioinformatics : an engineering case-based approach / / Gil Alterovitz, Marco F. Ramoni, editors
Pubbl/distr/stampa	Norwood, Massachusetts : , : Artech House, , ©2007 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2007]
ISBN	1-59693-125-6
Descrizione fisica	1 online resource (404 p.)
Collana	Artech House bioinformatics & biomedical imaging series
Altri autori (Persone)	AlterovitzGil RamoniMarco F
Disciplina	572.80285
Soggetti	Bioinformatics Biological systems Cytology - Data processing Proteomics - Data processing
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 indexes.
Nota di contenuto	Preface; Part I Introduction: Molecular and Cellular Biology; Chapter 1 Molecular and Cellular Biology: An Engineering Perspective; Chapter 2 Proteomics: From Genome to Proteome; Part II Analysis: Signal Processing; Chapter 3 Introduction to Biological Signal Processing at the Cell Level; Chapter 4 Signal Processing Methods for Mass Spectrometry; Part III Analysis: Control and Systems; Chapter 5 Control and Systems Fundamentals; Chapter 6 Modeling Cellular Networks; Part IV Analysis: Probabilistic Data Networks and Communications.
Sommario/riassunto	Powerful engineering tools can help solve today?s complex biological and biomedical research challenges? and this first-of-its-kind guide is paving the way . This trail-blazing work gives engineers a quantitative systems approach to bioinformatics research using computational tools drawn from technical disciplines. It presents biological processes in an engineering context to help engineers use their technical skills in solving novel biological problems and also to facilitate reverse engineering from biology in developing synthetic biological devices.

2. Record Nr. UNINA9910367242603321

Titolo	Design Thinking Research : Investigating Design Team Performance / / edited by Christoph Meinel, Larry Leifer
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-28960-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (VIII, 310 p. 94 illus., 69 illus. in color.)
Collana	Understanding Innovation, , 2197-5752
Disciplina	658.514
Soggetti	Management Industrial management Software engineering Neurosciences Information technology Business—Data processing Management information systems Computer science Innovation/Technology Management Software Engineering IT in Business Management of Computing and Information Systems Media Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Part I: New Approaches to DesignThinking Education -- Part II: Exploring Team Interaction -- Part III: Tools to Support Design Thinking Practices -- Part IV: Applying Design Thinking Practices.
Sommario/riassunto	The practice of design thinking has gained in prominence over the past several years, and an increasing number of people and institutions have experienced its innovative power. However, as a result of this success story, the term has also evolved into something of an overused, or even misused, buzzword. The demand for an in-depth, evidence-based understanding of the way design thinking works has grown

accordingly. This challenge is addressed by the Hasso Plattner Design Thinking Research Program. Summarizing the outcomes of the program's 10th year, this book shares the scientific insights gained by researchers at the Hasso Plattner Institute in Potsdam and Stanford University in California, in the course of their investigations, experiments and studies. Special emphasis is placed on exploring new approaches to design thinking education, making headway on the goals of the research program, namely to fuel creativity and establish improved content for the teaching and learning of design thinking. This volume also presents a broad range of findings on effective team interaction. Moreover, researchers present their findings on tools that support design thinking practices, and showcase concrete applications. The results of this rigorous academic research are not only intended to benefit the scientific community, but will hopefully find their way to many other readers seeking to support innovation through collaboration, be it in businesses or in society.