Record Nr. Autore Titolo Pubbl/distr/stampa	UNISA996546837903316 Xu Jianfeng Objective Information Theory [[electronic resource] /] / by Jianfeng Xu, Shuliang Wang, Zhenyu Liu, Yashi Wang, Yingfei Wang, Yingxu Dang Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-19-9929-5
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (XI, 97 p. 1 illus.)
Collana	SpringerBriefs in Computer Science, , 2191-5776
Disciplina	005.7
Soggetti	Information modeling Artificial intelligence - Data processing Computer science Artificial intelligence Information Model Data Science Computer Science Intelligence Infrastructure Theory of Computation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Information Theory on Change to Reflection Chapter 2. Recognizing Objective Information. Chapter 3. Modelling Objective Information: Sextuple Chapter 4. Measuring Objective Information Chapter 5. Exemplifying Objective Information: Air Traffic Control System Chapter 6. Exemplifying Objective Information Theory: Smart Court.
Sommario/riassunto	Objective Information Theory (OIT) is proposed to represent and compute the information in a large-scale complex information system with big data in this monograph. To formally analyze, design, develop, and evaluate the information, OIT interprets the information from essential nature, measures the information from mathematical properties, and models the information from concept, logic, and physic. As the exemplified applications, Air Traffic Control System (ATCS) and Smart Court SoSs (System of Systems) are introduced for

1.

practical OITs. This Open Access book can be used as a technical	
reference book in the field of information science and also a reference	
textbook for senior students and graduate ones in related majors.	