1. Record Nr. UNINA9910483118703321

Titolo	Information Technology, Systems Research, and Computational Physics / / edited by Piotr Kulczycki, Janusz Kacprzyk, László T. Kóczy, Radko Mesiar, Rafal Wisniewski
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-18058-1
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (391 pages)
Collana	Advances in Intelligent Systems and Computing, , 2194-5365 ; ; 945
Disciplina	530.0285
Soggetti	Computational intelligence Engineering - Data processing Mathematical physics Computational Intelligence Data Engineering Theoretical, Mathematical and Computational Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book highlights a broad range of modern information technology tools, techniques, investigations and open challenges, mainly with applications in systems research and computational physics. Divided into three major sections, it begins by presenting specialized calculation methods in the framework of data analysis and intelligent computing. In turn, the second section focuses on application aspects, mainly for systems research, while the final section investigates how various tasks in the basic disciplines—mathematics and physics—can be tackled with the aid of contemporary IT methods. The book gathers selected presentations from the 3rd Conference on Information Technology, Systems Research and Computational Physics (ITSRCP'18), which took place on 2–5 July 2018 in Krakow, Poland. The intended readership includes interdisciplinary scientists and practitioners pursuing research at the interfaces of information technology, systems research, and computational physics.