1. Record Nr. UNINA9910144071503321

Titolo	Annales Universitatis Scientiarum Budapestinensis de Rolando Eötvös Nominatae Sectio computatorica
Pubbl/distr/stampa	Budapest, : Eötvös Loránd Tudományegyetem, 1978-
ISSN	3058-0811
Descrizione fisica	1 online resource
Disciplina	519.4/05
Soggetti	Numerical analysis Numerical analysis - Data processing Mathematical analysis Mathematical analysis - Data processing Wiskunde Toepassingen Mathematik Zeitschrift Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico

2. Record Nr. UNINA9910557693303321

Autore	Woo Wai Lok
Titolo	Sensor Signal and Information Processing III
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (394 p.)
Soggetti	History of engineering and technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	In the current age of information explosion, newly invented technological sensors and software are now tightly integrated with our everyday lives. Many sensor processing algorithms have incorporated some forms of computational intelligence as part of their core framework in problem-solving. These algorithms have the capacity to generalize and discover knowledge for themselves and to learn new information whenever unseen data are captured. The primary aim of sensor processing is to develop techniques to interpret, understand, and act on information contained in the data. The interest of this book is in developing intelligent signal processing in order to pave the way for smart sensors. This involves the mathematical advancement of nonlinear signal processing theory and its applications that extend far beyond traditional techniques. It bridges the boundary between theory and application, developing novel theoretically inspired methodologies targeting both longstanding and emergent signal processing applications. The topics range from phishing detection to integration of terrestrial laser scanning, and from fault diagnosis to bio-inspired filtering. The book will appeal to established practitioners, along with researchers and students in the emerging field of smart sensor signal processing.