

1. Record Nr.	UNISA990002938370203316
Autore	H Aidar, Mazen
Titolo	Città e memoria : Beirut, Sarajevo, Berlino / Mazen Haidar ; con testi di Laura Cipollini e Elmar Kossel
Pubbl/distr/stampa	Milano : Bruno Mondadori, copyr. 2006
ISBN	88-424-9237-X
Descrizione fisica	221 p. : ill. ; 21 cm
Collana	Sintesi
Disciplina	711.40956925
Soggetti	Sarajevo Urbanistica Storia BEIRUT Urbanistica Storia BERLINO Urbanistica Storia
Collocazione	XII.2.C. 1508
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910743269003321
Titolo	Intelligent Soft Sensors
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2023
Descrizione fisica	1 online resource (230 p.)
Soggetti	History of engineering and technology Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>This Special Issue deals with the field of intelligent soft sensors that enable the online estimation of nonmeasurable process variables. Soft sensors or virtual sensors are common names for software algorithms in which multiple measurements are processed together. Typically, soft sensors are based on control theory and are also referred to as state observers. There may be dozens or even hundreds of measurements from hard sensors (big data). The interaction of signals can be used to compute new quantities that cannot be measured directly online or are difficult and expensive to measure. Soft sensors are particularly useful in data fusion, combining measurements of different characteristics and dynamics. They can be used for fault diagnosis (self-analysis, self-calibration, and self-maintenance) as well as for control applications. Well-known software algorithms that can be seen as soft sensors include, for example, Kalman filters. More recent implementations of soft sensors use neural networks, fuzzy logic, models based on evolving clustering, partial least squares, etc. In the digitized factories of the future, intelligent sensors represent one of the core building blocks for automating and optimizing production, as they make production more efficient in every respect.</p>