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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>

2. Record Nr.	UNINA9910960317103321
Autore	Lach Donald F (Donald Frederick), <1917-2000.>
Titolo	Asia in the making of Europe . Volume II A century of wonder . Book Two The literary arts // Donald F. Lach
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ISBN	9786612538803 9781282538801 1282538802 9780226467122 0226467120
Descrizione fisica	1 online resource (434 pages)
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Soggetti	East and West - History Europe Civilization Asian influences Asia Discovery and exploration
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Contents -- Illustrations -- Preface -- Introduction -- Introduction -- CHAPTER I. Heralds of Empire -- CHAPTER II. Books, Libraries, and Reading -- Introduction -- CHAPTER III. The Inherited Themes -- CHAPTER IV. Portuguese Literature -- CHAPTER V. Spanish Literature -- CHAPTER VI. Italian Literature -- CHAPTER VII. French Literature -- CHAPTER VIII. The Germanic Literatures
Sommario/riassunto	Praised for its scope and depth, <i>Asia in the Making of Europe</i> is the first comprehensive study of Asian influences on Western culture. For volumes I and II, the author has sifted through virtually every European reference to Asia published in the sixteenth-century; he surveys a vast array of writings describing Asian life and society, the images of Asia that emerge from those writings, and, in turn, the reflections of those images in European literature and art. This monumental achievement reveals profound and pervasive influences of Asian societies on developing Western culture; in doing so, it provides a perspective necessary for a balanced view of world history. Volume I: <i>The Century of Discovery</i> brings together "everything that a European could know of

India, Southeast Asia, China, and Japan, from printed books, missionary reports, traders' accounts and maps" (The New York Review of Books). Volume II: A Century of Wonder examines the influence of that vast new body of information about Asia on the arts, institutions, literatures, and ideas of sixteenth-century Europe.
