

1. Record Nr.	UNINA9910627268703321
Titolo	Advances in System-Integrated Intelligence : Proceedings of the 6th International Conference on System-Integrated Intelligence (SysInt 2022), September 7-9, 2022, Genova, Italy / / edited by Maurizio Valle, Dirk Lehmhus, Christian Gianoglio, Edoardo Ragusa, Lucia Seminara, Stefan Bosse, Ali Ibrahim, Klaus-Dieter Thoben
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-16281-1
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (745 pages)
Collana	Lecture Notes in Networks and Systems, , 2367-3389 ; ; 546
Disciplina	006.33
Soggetti	Cooperating objects (Computer systems) Machine learning Industrial engineering Automation Cyber-Physical Systems Machine Learning Industrial Automation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
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Sommario/riassunto

This book reports on cutting-edge research and developments focusing on integrating intelligent functionalities into materials, components, systems and products. Gathering the proceedings of the 6th International Conference on System-Integrated Intelligence (SysInt 2022), held on September 7-9, in Genova, Italy, it offers a comprehensive, multidisciplinary and applied perspective on the state-of-the art and challenges in the field of intelligent, flexible and connected systems. The book covers advanced methods and applications relating to artificial, pervasive and ubiquitous intelligence, sensors, smart factory and logistics, structural health monitoring, as well as soft robotics, cognitive systems and human-machine interaction. Giving a special focus to artificial intelligence, it extensively reports on methods and algorithms for data-driven modeling, and agent-based data processing and planning. It aims at inspiring and fostering collaboration between researchers and professionals from the different fields of electrical, manufacturing and production engineering, and materials and computer sciences. .
