

1. Record Nr.	UNINA9910484551803321
Titolo	Service Orientation in Holonic and Multi-Agent Manufacturing : Proceedings of SOHOMA 2018 / / edited by Theodor Borangiu, Damien Trentesaux, André Thomas, Sergio Cavalieri
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-03003-2
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XVIII, 462 p. 160 illus., 124 illus. in color.)
Collana	Studies in Computational Intelligence, , 1860-9503 ; ; 803
Disciplina	004.654 670.4275
Soggetti	Computational intelligence Manufactures Artificial intelligence Computational Intelligence Machines, Tools, Processes Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	ARTI Reference Architecture – PROSA revisited -- Scientific Discussion: Open Reviews of “ARTI Reference Architecture – PROSA revisited” -- Part I: Cloud Manufacturing: Architectures, Services and Implementation in Production Control -- A distributed approach for machine learning in large scale manufacturing systems -- Cloud-based additive manufacturing as a strategy for product variety: a simulation study -- Architecture for Production Internet -- Integration of a solar panel in power microgrid via Internet of Things -- Intelligent support of requirements management in agile environment -- Industry 4.0 Technologies impacts in the manufacturing and supply chain landscape: an overview -- Part II: Human-centred design for adaptive manufacturing systems -- Human-machine cooperation in self- organized production systems: a point of view -- Architectures for human worker integration in Holonic Manufacturing Systems.
Sommario/riassunto	This book gathers the peer-reviewed papers presented at the 8th

edition of the International Workshop “Service Orientation in Holonic and Multi-Agent Manufacturing – SOHOMA’18” held at the University of Bergamo, Italy on June 11–12, 2018. The objective of the SOHOMA annual workshops is to foster innovation in smart and sustainable manufacturing and logistics systems by promoting new concepts, methods and solutions that use service orientation of agent-based control technologies with distributed intelligence. Reflecting the theme of SOHOMA’18: “Digital transformation of manufacturing with agent-based control and service orientation of Internet-scale platforms”, the research included focuses on how the digital transformation, as advocated by the “Industry 4.0”, “Industrial Internet of Things”, “Cyber-Physical Production Systems” and “Cloud Manufacturing” frameworks, improves the efficiency, agility and sustainability of manufacturing processes, products, and services, and how it relates to the interaction between the physical and informational worlds, which is implemented in the virtualization of products, processes and resources managed as services.
