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Titolo	EcoDesign and sustainability I : products, services, and business models // Yusuke Kishita [and three others] editor
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ISBN	981-15-6779-4
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (X, 532 p. 212 illus., 153 illus. in color.)
Collana	Sustainable Production, Life Cycle Engineering and Management, , 2194-0541
Disciplina	338.927
Soggetti	Sustainable development Manufacturing, Machines, Tools, Processes Industrial design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Product & Service Design -- Industrial Designers Towards Design Concepts Based on the Water and Fire Themes-- A Review and Comparison of Sustainability Considerations -- Time Axis Design as an EcoDesign Method -- Design of Household Appliances considering Remanufacturing: A Case Study -- Persuasive Design for Improving Battery Swap Service Systems of Electric Scooters -- Service Design of Rehabilitative Exoskeleton for Sustainable Value Creation: A Case Study of Exoskeleton for Stroke Rehabilitation in China -- State-of-the-Art on Product-Service Systems and Digital Technologies -- Material-Service Systems for Sustainable Resource Management -- Designing for Vehicle Recyclability from the Perspectives of Material and Joining Choices -- Eco-Innovation by Integrating Emerging Technologies with ARIZ Method Video Networks of Sustainable Design: the Doughnut Perspective.
Sommario/riassunto	This book highlights cutting-edge ecodesign research, covering product and service design, smart manufacturing, and social perspectives in ecodesign. Featuring selected papers presented at EcoDesign 2019: 11th International Symposium on Environmentally Conscious Design and Inverse Manufacturing, it also includes diverse, interdisciplinary approaches to foster ecodesign research and activities.

In the context of Sustainable Development Goals (SDGs), it addresses the need for the manufacturing industry to design innovations for sustainable value creation, taking into account technological developments, legislation, and consumer lifestyles. Further, the book discusses the concept of circular economy, which originated in Europe and aims to increase resource efficiency by shifting away from the linear economy. Focusing on product life cycle design and management, smart manufacturing, circular economy, and business strategies, and providing useful approaches and solutions to these emerging concepts, this book is intended for both researchers and practitioners working in the broad field of ecodesign and sustainability.

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