

1. Record Nr.	UNINA9910309660603321
Titolo	Systemic Design [[electronic resource]] : Theory, Methods, and Practice // edited by Peter Jones, Kyoichi Kijima
Pubbl/distr/stampa	Tokyo : , : Springer Japan : , : Imprint : Springer, , 2018
ISBN	4-431-55639-7
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (327 pages)
Collana	Translational Systems Sciences, , 2197-8832 ; ; 8
Disciplina	361.61
Soggetti	Social policy Economic sociology Social structure Equality Social Policy Organizational Studies, Economic Sociology Social Structure, Social Inequality
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I Integrative Practices -- Chapter 1 Contexts of Co-Creation: Designing with System Stakeholders.-Chapter 2 A Framework for Complex Design: Lessons from Synthetic Biology -- Chapter 3 Inclusive Systemic Design for Health System Flourishment -- Part II Theoretical Foundations -- Chapter 4 Systems Design Thinking: Theoretical, Methodological and Methodical Considerations A German Narrative -- Chapter 5 Wicked Problems in Design and Ethics -- Chapter 6 On the Resilience of Sociotechnical Systems -- Chapter 7 Towards a (Socio-Ecological) Science of Settlement -- Part III Method and Practice -- Chapter 8 Visualizing Complex Design: The Evolution of Gigamaps -- Chapter 9 Local Ruralism: Systemic Design for Economic Development -- Chapter 10 Permaculture as a Systemic Design Practice.
Sommario/riassunto	This book presents emerging work in the co-evolving fields of design-led systemics, referred to as systemic design to distinguish it from the engineering and hard science epistemologies of system design or systems engineering. There are significant societal forces and organizational demands impelling the requirement for “better means of

change” through integrated design practices of systems and services. Here we call on advanced design to lead programs of strategic scale and higher complexity (e.g., social policy, healthcare, education, urbanization) while adapting systems thinking methods, creatively pushing the boundaries beyond the popular modes of systems dynamics and soft systems. Systemic design is distinguished by its scale, social complexity and integration – it is concerned with higher-order systems that that entail multiple subsystems. By integrating systems thinking and its methods, systemic design brings human-centred design to complex, multi-stakeholder service systems. As designers engage with ever more complex problem areas, it is necessary to draw on a basis other than individual creativity and contemporary “design thinking” methods. Systems theories can co-evolve with a new school of design theory to resolve informed action on today’s highly resilient complex problems and can deal effectively with demanding, contested and high-stakes challenges.
