1. Record Nr. UNINA9910511889903321

Titolo	Craft economies / / edited by Susan Luckman and Nicola Thomas
Pubbl/distr/stampa	London, England : , : Bloomsbury Publishing, , 2018
ISBN	1-4742-5957-X 1-4742-5955-3
Edizione	[First edition.]
Descrizione fisica	1 online resource (234 pages) : illustrations
Disciplina	745.4
Soggetti	Artisans Decoration and ornament Handicraft industries Handicraft - Economic aspects Handicraft Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Crafting economies : contemporary cultural economies of the handmade -- Susan Luckman and Nicola Thomas -- Crafts community : physical and virtual -- Xin Gu -- Fast forward : design economies and practice in the near future -- Marzia Mortati -- Craft, collectivity and event-time -- Katve-Kaisa Kontturi -- 'Buy a hat, save a life' : commodity activism, fair trade and crafting economies of change -- Lisa A. Daily -- Towards a politics of making : reframing material work and locating skill in the Anthropocene -- Chris Gibson and Chantel Carr -- Dichotomies in textile making : employing digital technology and retaining authenticity -- Sonja Andrew and Kandy Diamond -- People have the power : appropriate technology and the implications of labour-intensive making -- Gabriele Oropallo -- The ghost potter : vital forms and spectral marks of skilled craftsmen in contemporary tableware -- Ezra Shales -- Our future is in the making : trends in craft education, practice and policy -- Julia Bennett -- Establishing the crafting self in the contemporary creative economy -- Susan Luckman and Jane Andrew -- Handmaking your way out of poverty? : craftwork's potential and peril as a strategy for poverty alleviation in Rockford,

Illinois -- Jessica R. Barnes -- Interrogating localism : what does 'made in Portland' really mean? -- Steve Marotta and Charles Heying -- Policy, locality and networks in a cultural and creative countryside : the case of Jingdezhen, China -- Zhen Troy Chen -- Design recycle meets the product introduction hall : craft, locality and agency in northern Japan -- Sarah Teasley -- Crafted places -- places for craft : pop-up and the politics of the 'crafted' city -- Ella Harris -- Knitting and crochet as experiment : exploring social and material practices of computation and craft -- Gail Kenning and Jo Law -- Towards new modes of knowledge production : makerspaces and emerging maker practices -- Angelina Russo -- The post digital : contemporary making and the allure of the genuine -- Keith Doyle, Helene Day Fraser and Philip Robins -- Crafting code : gender, coding and spatial hybridity in the events of PyLadies Dublin -- Sophia Maalsen and Sung-Yueh Perng.

Sommario/riassunto

Craft Economies provides a wide-ranging exploration of contemporary craft production, situating practices of amateur and professional making within a wider creative economy. Contributors address a diverse range of practices, sites and forms of making in a wide range of regional and national contexts, from floristry to ceramics and from crochet to coding. The volume considers the role of digital practices of making and the impact of the maker's movement as part of larger trends around customisation, on-demand production, and the possibilities of 3D printing and digital manufacturing.

2. Record Nr. UNINA9910298585003321

Autore	Kikuchi Akihito
Titolo	Computer Algebra and Materials Physics : A Practical Guidebook to Group Theoretical Computations in Materials Science / / by Akihito Kikuchi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-94226-3
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (212 pages)
Collana	Springer Series in Materials Science, , 0933-033X ; ; 272
Disciplina	620.11015118
Soggetti	Materials science Mathematical physics Engineering—Materials Chemistry, Physical and theoretical Atoms Physics Solid state physics Characterization and Evaluation of Materials Theoretical, Mathematical and Computational Physics Materials Engineering Theoretical and Computational Chemistry Atomic, Molecular, Optical and Plasma Physics Solid State Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Dedication -- Preface -- Introduction -- Computation of Group Theoretical Properties Using "GAP" -- Some Preliminaries -- Application 1: Identification of Wave Functions to Irreducible Representations -- Application 2: A Systematic Way of the Material Designing -- Technical Details -- Symmetry in C60 -- Analysis of Vibrational Mode in C60 -- Final Remarks -- Appendices A-J.
Sommario/riassunto	This book is intended as an introductory lecture in material physics, in which the modern computational group theory and the electronic

structure calculation are in collaboration. The first part explains how to use computer algebra for applications in solid-state simulation, based on the GAP computer algebra package. Computer algebra enables us to easily obtain various group theoretical properties, such as the representations, character tables, and subgroups. Furthermore it offers a new perspective on material design, which could be executed in a mathematically rigorous and systematic way. The second part then analyzes the relation between the structural symmetry and the electronic structure in C60 (as an example of a system without periodicity). The principal object of the study was to illustrate the hierarchical change in the quantum-physical properties of the molecule, which correlates to the reduction in the symmetry (as it descends down in the ladder of subgroups). The book also presents the computation of the vibrational modes of the C60 by means of the computer algebra. In order to serve the common interests of researchers, the details of the computations (the required initial data and the small programs developed for the purpose) are explained in as much detail as possible. .