1. Record Nr. UNINA9910557199103321

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Titolo	Negotiating Climate Change in Crisis / Steffen Böhm, Sian Sullivan
Pubbl/distr/stampa	Cambridge, : Open Book Publishers, 2022
ISBN	979-1-03-658791-7
Descrizione fisica	1 online resource (lxx-399 p.)
Altri autori (Persone)	BaileyIan BelcherOliver BettiniGiovanni BiggerPatrick BoasIngrid BöhmSteffen BondPatrick BrackingSarah BruijnMirjam de DieckmannUte DunlapAlexander Durand-DelacreDavid DykeJames G FarbotkoCarol FremeauxIsabelle FurmanEeva GardhamSharon GioliGiovanna HalmeMinna HannisMike HarrisPaul G HoffmanM. Timm HulmeMike Huq AndSaleemul HutElodie JaakkolaJ.J.K JordanJay KaplanRami KennellyCara KhanMizan R KnorrWolfgang LankfordBruce LendelvoSelma LevyDavid LietaerSamuel LinnanenLassi

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Soggetti	Environmental Studies finance governance climate change extraction social sciences case studies carbon emissions climate activism climate change frontline country climate change negotiation climate crisis paradigms
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

Livello bibliografico	Monografia
Sommario/riassunto	Climate change negotiations have failed the world. Despite more than thirty years of high-level, global talks on climate change, we are still seeing carbon emissions rise dramatically. This edited volume, comprising leading and emerging scholars and climate activists from around the world, takes a critical look at what has gone wrong and what is to be done to create more decisive action. Composed of twenty-eight essays, this volume is organised around seven main themes: paradigms; what counts?; extraction; dispatches from a climate change frontline country; governance; finance; and action(s). Through this multifaceted approach, the contributors ask pressing questions about how we conceptualise and respond to the climate crisis, providing both ‘big picture’ perspectives and more focussed case studies. This unique and extensive collection will be of great value to environmental and social scientists alike, as well as to the general reader interested in understanding current views on the climate crisis. This is the author-approved edition of this Open Access title. As with all Open Book publications, this entire book is available to read for free on the publisher’s website. Printed and digital editions, together with supplementary digital material, can also be found at http://www.openbookpublishers.

2.

Record Nr.	UNINA9910484458503321
Autore	Pean Thibault
Titolo	Heat Pump Controls to Exploit the Energy Flexibility of Building Thermal Loads / / by Thibault Péan
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-63429-9
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XX, 196 p. 78 illus., 73 illus. in color.)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5061
Disciplina	621.4025
Soggetti	Control engineering Renewable energy sources Sustainable architecture Control and Systems Theory Renewable Energy Sustainable Architecture/Green Buildings
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Doctoral Thesis accepted by Universitat Politecnica de Catalunya, Barcelona, Spain."
Nota di contenuto	Introduction and motivations -- State of the art in heat pump controls -- Methodology for the analysis of energy flexibility in buildings.
Sommario/riassunto	This book describes different control strategies adapted to heat pumps, at the purpose of increasing energy flexibility in buildings. It reports on the development of both simple rule-based controls (RBC) and advanced model predictive controls (MPC). These are tested and compared in both simulation and experimental setups. The book analyzes in detail all the different steps, including the development and tuning of the controllers, their testing in experimental settings and simulation studies. Bridging between advanced control systems theory concepts and practical needs, and discussing the advantages and main challenges of MPC and RBC controllers in terms of efficiency of heat pump operation, electricity prices, emission values, and users' comfort, this book offers an in-depth evaluation of innovative control strategies applied to energy demand management in buildings.