

1. Record Nr.	UNISA996465358103316
Titolo	HCI outdoors : theory, design, methods and applications // D. Scott McCrickard, Michael Jones, Timothy L. Stelter, editors
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] Â©2020
ISBN	3-030-45289-1
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (VIII, 332 p. 77 illus., 72 illus. in color.)
Collana	Human-computer interaction series
Disciplina	796.5
Soggetti	Outdoor recreation - Computer network resources
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Finding Human-Computer Interaction Outdoors -- Part I: Rural Contexts -- The Walk: Exploring the Technical and Social Margins -- Threats of the Rural: Writing and Designing with Affect -- Part II: Willed and the Wild -- Moving HCI Outdoors: Lessons Learned from Conducting Research in the Wild -- Wild Birthplaces of Behavioral Media -- PlantShoe: Botanical Detectives -- Part III: Groups and Communities -- Opportunities in Conflict on the Trail -- Shared Family Experiences over Distance in the Outdoors.-Designing Technology for Shared Communication and Awareness in Wilderness Search and Rescue -- Part IV: Design for Outdoors -- Technology and Mastery: Exploring Design Sensitivities for Technology in Mountaineering -- The Design of Outdoor Technologies for Children -- CommonIT Building: An Interactive Environment Exemplar Advancing Social Interaction in Underused Public Spaces -- Outdoor Auditory Wearable Interfaces: Bone Conduction 1 Communication -- Part V: Designing for Interaction in Outdoor Winter Sports -- Creating a User-Controllable Skiing Experience for Individuals with Tetraplegia -- Rethinking the Role of a Mobile Computing in Recreational Hiking -- Modeling Gaze-Guided Narratives for Outdoor Tourism -- Conflict Between Trail Users Related to the Culture of Conservation.
Sommario/riassunto	Advances in network connectivity, power consumption, and physical size create new possibilities for using interactive computing outdoors. However, moving computing outdoors can drastically change the

human outdoor experience. This impact is felt in many kinds of outdoor activities such as citizen science, personal recreation, search and rescue, informal education, and others. It is also felt across outdoor settings that range from remote wilderness to crowded cities. Understanding these effects can lead to ideas, designs and systems that improve, rather than diminish, outdoor experiences. This book represents the current results emerging from recent workshops focused on HCI outdoors and held in conjunction with CHI, GROUP, UbiComp, and MobileHCI conferences. Based on feedback at those workshops, and outreach to other leaders in the field, the chapters collected were crafted to highlight methods and approaches for understanding how technologies such as handhelds, wearables, and installed standalone devices impact individuals, groups, and even communities. These findings frame new ways of thinking about HCI outdoors, explore logistical issues associated with moving computing outdoors, and probe new experiences created by involving computing in outdoor pursuits. Also important are the ways that social media has influenced preparation, experience, and reflection related to outdoor experiences. HCI Outdoors: Theory, Design, Methods and Applications is of interest to HCI researchers, HCI practitioners, and outdoor enthusiasts who want to shape future understanding and current practice related to technology in every kind of outdoor experience. .
