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Titolo	Sustainable Design [[electronic resource]] : HCI, Usability and Environmental Concerns // by Tomayess Issa, Pedro Isaias
Pubbl/distr/stampa	London : , : Springer London : , : Imprint : Springer, , 2015
ISBN	1-4471-6753-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (XII, 181 p. 29 illus., 16 illus. in color.)
Collana	Human-Computer Interaction
Disciplina	004.0286
Soggetti	User interfaces (Computer systems) Sustainable development Management Industrial management Computer system failures Technical education User Interfaces and Human Computer Interaction Sustainable Development Innovation/Technology Management System Performance and Evaluation Engineering/Technology Education
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Preface -- Introduction -- Usability & Human Computer Interaction (HCI) -- User Participation in System Development Process -- Physical, Cognitive and Affective Engineering -- Color, Prototyping and Navigation, Principles and Guidelines Design, Evaluation and Testing; Task Analysis -- Models and Methodologies -- New Participative Methodology for Sustainable Design (NPMSD) -- Future ICTs: Present Trends for Future Developments.
Sommario/riassunto	This book is concerned with the importance of Human Computer Interaction (HCI), Usability, user participants, and Sustainability in the Information Communication Technology (ICT) industry throughout the world. ICT has become a crucial instrument for communication, entertainment, commerce and research and this increased usage is

presenting new environmental and sustainability issues as we try and meet the ever growing needs of both businesses and individuals. Sustainability must become central to the design of new technologies to make a concerted effort to tackle the environmental concerns we face now and for the future. Development frameworks, tools and models are used and explored and the New Participative Methodology for Sustainable Design (NPMSD) is introduced as a way of identifying key factors needed in developing more sustainable systems including new smart technology and portable devices. Additional research will be carried out in the future to assess the sustainable design step using larger, more diverse countries with developed and developing economies to ensure compliance with environmental standards and rules for sustainable systems. Sustainable Design will be an invaluable resource for students and researchers, designers and business managers who are interested in the human-centred, environmental concerns of sustainable technologies. .
