

1. Record Nr.	UNINA9910462619303321
Titolo	Evaluation of rail technology [[electronic resource]] : a practical human factors guide / / edited by Chris Bearman ... [et al.]
Pubbl/distr/stampa	Burlington, Vt., : Ashgate Pub., c2013
ISBN	1-315-58121-3 1-317-13869-4 1-4094-4244-6
Descrizione fisica	1 online resource (334 p.)
Collana	Human factors in road and rail transport
Altri autori (Persone)	BearmanChris
Disciplina	625.10028/9
Soggetti	Railroads - Management - Technological innovations Railroads - Technological innovations - Evaluation Railroads - Safety measures Human engineering Information technology - Psychological aspects 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	The Promise and Perils of New Technology / Drew Dawson, Chris Bearman, Anjum Naweed and Gareth Hughes -- Key Technology-Related Human Factors Issues / Chris Bearman -- Resistance to Technology / Janette Rose and Chris Bearman -- Effective User Feedback : the Practical Value of Mock-Ups / Gareth Hughes, Airdrie Long, Anne Maddock and Chris Bearman -- Qualitative Research Rules, Using Qualitative and Ethnographic Methods to Acknowledge the Human Dimensions of Technology / Kirrilly Thompson -- Future Inquiry: a Participatory Ergonomics Approach to Evaluating New Technology / Verna Blewitt and Andrea Shaw -- Using Task Analysis to Inform the Development and Evaluation of New Technologies / Janette Rose, Chris Bearman and Anjum Naweed -- Evaluating Your Train Simulator Part I: The Physical Environment / Anjum Naweed, Ganesh Balakrishnan and Jillian Dorrian -- Evaluating Your Train Simulator Part II: the Task Environment / Jillian Dorrian and Anjum Naweed -- Applying the Theories and Measures of Situation Awareness

Sommario/riassunto

"Currently, the rail industry lacks a standardized approach to the human factors evaluation of new technologies in operational settings. While a number of human factors evaluation methods exist (such as task analysis, situation awareness measures, quasi-experiments), these are rarely tailored to the industry's needs. This book fills that gap by developing a toolkit of methods that can be used by people in the rail industry to evaluate the human factors implications of new technologies"--Provided by publisher.