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Autore	Oury Jacob D
Titolo	Building Better Interfaces for Remote Autonomous Systems [[electronic resource]] : An Introduction for Systems Engineers / / by Jacob D. Oury, Frank E. Ritter
Pubbl/distr/stampa	Springer Nature, 2021 Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
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Descrizione fisica	1 online resource (XII, 127 p. 20 illus., 12 illus. in color.)
Collana	SpringerBriefs in Human-Computer Interaction, , 2520-1670
Disciplina	005.437 4.019
Soggetti	Automatització Robòtica Intel·ligència artificial Intel·ligència computacional User interfaces (Computer systems) Software engineering User Interfaces and Human Computer Interaction Software Engineering Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introducing Interface Design for Complex Systems -- User-centered Design and Situation Awareness -- Cognition and Operator Performance -- Conclusion and Final Comments -- Appendices -- Index.
Sommario/riassunto	This 'Open Access' SpringerBrief provides foundational knowledge for designing autonomous, asynchronous systems and explains aspects of users relevant to designing for these systems, introduces principles for user-centered design, and prepares readers for more advanced and specific readings. It provides context and the implications for design choices made during the design and development of the complex

systems that are part of operation centers. As such, each chapter includes principles to summarize the design implication that engineers can use to inform their own design of interfaces for operation centers and similar systems. It includes example materials for the design of a fictitious system, which are referenced in the book and can be duplicated and extended for real systems. The design materials include a system overview, the system architecture, an example scenario, a stakeholder analysis, a task analysis, a description of the system and interface technology, and contextualized design guidelines. The guidelines can be specified because the user, the task, and the technology are well specified as an example. *Building Better Interfaces for Remote Autonomous Systems* is for working system engineers who are designing interfaces used in high throughput, high stake, operation centers (op centers) or control rooms, such as network operation centers (NOCs). Intended users will have a technical undergraduate degree (e.g., computer science) with little or no training in design, human sciences, or with human-centered iterative design methods and practices. Background research for the book was supplemented by interaction with the intended audience through a related project with L3Harris Technologies (formerly Harris Corporation). .

2. Record Nr.	UNINA9910165090603321
Autore	Haggard H. Rider
Titolo	Heart of the World : "Thinking can only serve to measure out the helplessness of thought."
Pubbl/distr/stampa	London : , : Copyright Group, , 2016 ©2016
ISBN	1-78543-843-3
Descrizione fisica	1 online resource (210 pages)
Disciplina	823.91
Soggetti	Mexico Fiction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia