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| <b>Soggetti</b>                | Security systems<br>Computational intelligence<br>Psychology, Experimental<br>Operations research<br>User interfaces (Computer systems)<br>Human-computer interaction<br>Security Science and Technology<br>Computational Intelligence<br>Experimental Psychology<br>Operations Research and Decision Theory<br>User Interfaces and Human Computer Interaction  |
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| <b>Livello bibliografico</b>   | Monografia  |
| <b>Nota di contenuto</b>       | Human trust factors in image analysis -- A visual analytics approach to combat confirmation bias for a local food bank -- Study on impact of time load on searching and recognition of visual information -- Analysis of team situation awareness errors in digital nuclear power plants -- Towards enhanced comprehension of human errors in cybersecurity attacks -- Training for readiness and resilience -- Estimating diagnosis time of emergency situations in digitalized control rooms -- Looking for additional data sources for HRA: Microworlds and beyond -- Study on the randomness of EOM behavior in a nuclear |

power plant. .

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#### Sommario/riassunto

This book brings together studies broadly addressing human error from different disciplines and perspectives. It discusses topics such as human performance; human variability and reliability analysis; medical, driver and pilot error, as well as automation error; root cause analyses; and the cognitive modeling of human error. In addition, it highlights cutting-edge applications in safety management, defense, security, transportation, process controls, and medicine, as well as more traditional fields of application. Based on the AHFE 2018 International Conference on Human Error, Reliability, Resilience, and Performance, held on July 21–25, 2018, in Orlando, Florida, USA, the book includes experimental papers, original reviews, and reports on case studies, as well as meta-analyses, technical guidelines, best practice and methodological papers. It offers a timely reference guide for researchers and practitioners dealing with human error in a diverse range of fields.

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