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Titolo	Eye Tracking and Visualization : Foundations, Techniques, and Applications. ETVIS 2015 / / edited by Michael Burch, Lewis Chuang, Brian Fisher, Albrecht Schmidt, Daniel Weiskopf
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Descrizione fisica	1 online resource (XII, 258 p. 123 illus., 105 illus. in color.)
Collana	Mathematics and Visualization, , 2197-666X
Disciplina	004
Soggetti	Information visualization User interfaces (Computer systems) Human-computer interaction Computer graphics Statistics Data and Information Visualization User Interfaces and Human Computer Interaction Computer Graphics Statistics in Engineering, Physics, Computer Science, Chemistry and Earth Sciences
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Sommario/riassunto	This book discusses research, methods, and recent developments in the interdisciplinary field that spans research in visualization, eye tracking, human-computer interaction, and psychology. It presents extended versions of papers from the First Workshop on Eye Tracking and Visualization (ETVIS), which was organized as a workshop of the IEEE VIS Conference 2015. Topics include visualization and visual analytics of eye-tracking data, metrics and cognitive models, eye-tracking experiments in the context of visualization interfaces, and eye tracking in 3D and immersive environments. The extended ETVIS papers are complemented by a chapter offering an overview of visualization approaches for analyzing eye-tracking data and a chapter

that discusses electrooculography (EOG) as an alternative of acquiring information about eye movements. Covering scientific visualization, information visualization, and visual analytics, this book is a valuable resource for eye-tracking researchers within thevisualization community.