Record Nr. UNINA9910484178903321 Handbook of Visual Display Technology [[electronic resource] /] / Titolo edited by Janglin Chen, Wayne Cranton, Mark Fihn Pubbl/distr/stampa Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, , 2012 **ISBN** 3-540-79567-7 Edizione [1st ed. 2012.] Descrizione fisica 1 online resource (eReference.) Collana Springer references Handbook of visual display technology Springer reference Disciplina 621.3815/42 Soggetti Signal processing Image processing Speech processing systems Lasers **Photonics** Optical materials Electronic materials Optical data processing User interfaces (Computer systems) Signal, Image and Speech Processing Optics, Lasers, Photonics, Optical Devices Optical and Electronic Materials Computer Imaging, Vision, Pattern Recognition and Graphics User Interfaces and Human Computer Interaction Inglese Lingua di pubblicazione **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Volume 1 (Sections): Fundamentals of Optics for Displays -- Human Vision and Photometry -- Image Storage and Processing -- Driving Displays -- Volume 2 (Sections): TFTs and Materials for Displays and Touchscreens -- Emissive Displays -- Volume 3 (Sections): Liquid Crystal Displays -- Paper-Like and Low Power Displays -- 3D Displays -- Volume 4 (Sections): Mobile Displays, Microdisplays, Projection and

Headworn Displays -- Display Metrology -- Display Markets and

Economics -- Index .

Sommario/riassunto

The Handbook of Visual Display Technology is a unique work offering a comprehensive description of the science, technology, economic and human interface factors associated with the displays industry. An invaluable compilation of information, the Handbook will serve as a single reference source with expert contributions from over 150 international display professionals and academic researchers. All classes of display device are covered including LCDs, reflective displays, flexible solutions and emissive devices such as OLEDs and plasma displays, with discussion of established principles, emergent technologies, and particular areas of application. The wide-ranging content also encompasses the fundamental science of light and vision, image manipulation, core materials and processing techniques, display driving and metrology.