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Nota di contenuto	Introduction -- Section I: Eye Tracking and the Visual System -- The Active Eye: Perspectives on Eye Movement Research, Benjamin W. Tatler, Clare Kirtley, Ross G. Macdonald, Katy M. A. Mitchell, Steven W. Savage -- Eye Movements from Lab to Life, Benjamin W. Tatler -- Guidance of Attention by Feature Relationships: The End of the Road for Feature Map Theories? Stefanie I. Becker -- Gaze And Speech: Pointing Device and Text Entry Modality, T.R. Beelders and P.J. Blignaut -- Improving the Accuracy of Video-Based Eye-Tracking in Real-Time through Post-Calibration Regression, Pieter Blignaut, Kenneth Holmqvist, Marcus Nyström, Richard Dewhurst -- Gaze Shifts and Pen Velocity Minima during Line Copying with Consideration to Signature Simulation, Avni Pepe and Jodi Sita -- Degree of Subject's

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Sommario/riassunto

Our eye movements in response to visual stimuli reveal much about how we experience the world. Focusing on the latest developments in the multidisciplinary field of eye tracking research, this volume ranges across a wide spectrum of research applications, with four sections covering the plethora of practical uses to which our expanding knowledge can be put. They offer abundant evidence that eye tracking research and its methodologies offer new ways of collecting data, framing research questions, and thinking about how we view our world. As a result, we are discovering more about how the visual system works, as well as how it interacts with attention, cognition, and behaviour. Current Trends in Eye Tracking Research presents the work of more than 50 researchers and academics, showcasing groundbreaking studies and innovative ways of applying eye tracking

technologies to interesting research problems. The book covers the current output of a number of pioneering research laboratories, detailing their work on eye tracking and the visual system, alignment and EEG data, marketing and social applications, and eye tracking in education. Featuring creative uses of existing technology as well as inventive implementation of new technology in a range of research contexts and disciplines, this new publication is compelling proof of the growing importance of this exciting and fast-moving area of scientific endeavor.
