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Increasing Motorcycle Conspicuity Lars Rößger, Michael G. Lenné, 2017-03-02 It is a widely recognised trend that powered two wheelers PTWs use has been steadily increasing and is projected to increase further While providing benefits to the community in the form of reduced traffic congestion and environmental benefits the risks to PTW riders remain and visibility will always be a key issue *Increasing Motorcycle Conspicuity* aims to illustrate how driving simulation field studies and laboratory experiments can be used to improve rider safety through the design and evaluation of a range of safety measures The book outlines the factors that contribute to PTW visibility and detection by car drivers and presents case studies to illustrate how the various methods can be used to explore the contribution of these factors The final chapter of the book highlights the utility of a simulation based approach to improving PTW safety and discusses this method's future applications The case studies collected within the volume cover phases of the design of conspicuity treatments and provide a broad spectrum of empirical strategies for assessing the interventions The book is most directly relevant to researchers and applied scientists from the fields of traffic transportation psychology and human factors as well as to practitioners from the traffic safety sector

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