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Book Review

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Book review

Pedestrian facilities: geometric design for safety and mobility – second edition

J. G. Schoon (eds), ICE Publishing, Westminster, London, UK, 2019,
ISBN 978-0-7277-6309-9, £65, 249 pp, <http://www.icebookshop.com/>.

Pedestrian Facilities is a book consisting of 249 pages and 15 chapters, which provides information sources of geometric design details and guidance for safety and mobility of pedestrians and other road users. The main distinctive coverage in this second edition includes updated governmental guidance on pedestrian facilities design, evolution of design for shared space and sojourning, developments in simulation and multi-modal level of service quantification, joint pedestrian and bicycle traffic and implications of the 'Equality Act' among others.

The book can be classified into four parts: user characteristics, design practice, design analysis and monitoring and project implementation. In Chapters 1–4 of the part on user characteristics, there are codes of conduct, driver and vehicle characteristics, pedestrian facilities and disabled pedestrian's characteristics. Chapters 5–11 deliver the part on design practice in which each of the seven chapters presents general road layout practice, crossing at unsignalled locations, facilities for inclusive mobility, signalled crossing and pedestrian facilities at roundabouts and mini roundabouts and shared facilities for pedestrians

and non-motorised users, respectively. In the part on design analysis and monitoring, Chapters 12–14, audits for non-motorised user facilities, pedestrian flow and capacity and simulation and computerised models of pedestrian facilities are comprised as three chapters. Finally, as the project implementation part, examples and case studies are presented in Chapter 15.

The book provides detailed numerical and functional aspects of designing footways, crossings along roads and junctions, roundabouts and other spaces where pedestrians and vehicular traffic interact. These are places where most pedestrian fatalities and injuries have occurred due to collisions with motor vehicles. The book also presents design principles which can foster improvements to this guidance, and will also provide assistance where unique design solutions are needed. This book is useful as a comprehensive design guide for practitioners and students in urban planning, architecture and civil engineering design, who are concerned for highways and pedestrian facilities design in roads, public spaces and public realm to be used safely, conveniently and comfortably. In particular, the book addresses pedestrian safety and comfort of facilities design in order to achieve the inclusive mobility. These design guidance and its implementations could contribute to make people's desired mobility of non-motorised and motorised modes in much safer and healthier ways.

Seungjae Lee