



# IET Books and eBooks

## Transportation



## HIGHLIGHTS

### Collection and Delivery of Traffic and Travel Information

**Editors:** Paul Burton, consultant, UK; Alan Stevens, University of Southampton, UK

Technologies for traffic and travel information (TTI) have been evolving rapidly in recent years. This book focuses on an emerging generation of machine to machine communication, covering gathering information from automated sensors, digital processing and transmission, and its use by increasingly intelligent agents and vehicles.

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2020 / 300pp / £115 / \$150

**Print** PBTR0180 / 978-1-78561-772-0

**eBook** PBTR018E / 978-1-78561-773-7

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### ICT for Electric Vehicle Integration with the Smart Grid

**Editors:** Nand Kishor, Motilal Nehru National Institute of Technology Allahabad, India; Jesus Fraile-Ardanuy, Universidad Politecnica de Madrid, Spain

This book provides a basis for full integration of electric vehicles into the smart grid, through the use of ICT tools. It looks at transport and energy system modelling, simulation and optimisation processes; vehicle on-line optimal control, estimation and prediction; energy system strategic planning; and services such as smart charging.

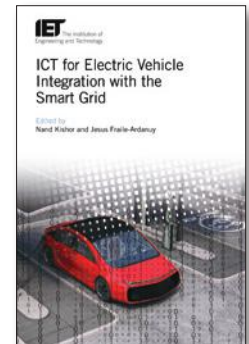
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2019 / 442pp / £125 / \$160

**Print** PBTR0160 / 978-1-78561-762-1

**eBook** PBTR016E / 978-1-78561-763-8

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### Smart Sensing for Traffic Monitoring

**Editor:** Nobuyuki Ozaki, Nagoya University, Japan

Intelligent infrastructure for smart sensing has the potential to revolutionise traffic management, and to play a key role in the future automation of vehicles. The book systematically covers the key elements of intelligent infrastructure for an audience of researchers, practitioners and advanced students.

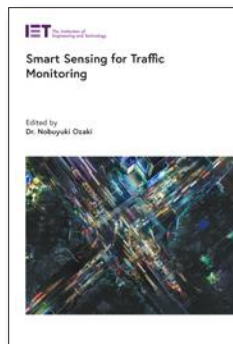
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2020 / 250pp / £110 / \$145

**Print** PBTR0170 / 978-1-78561-774-4

**eBook** PBTR017E / 978-1-78561-775-1

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### Traffic Information and Control

**Editors:** Ruimin Li, Tsinghua University, China, and Zhengbing He, Beijing University of Technology, China

Written by an international team of researchers, this book focuses on traffic information processing and signal control using emerging types of traffic data. This is a valuable resource for researchers and engineers working in the field of traffic information and control, and intelligent transport systems.

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2020 / 300pp / £115 / \$150

**Print** PBTR0260 / 978-1-83953-025-8

**eBook** PBTR026E / 978-1-83953-026-5

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## FORTHCOMING - to be published in 2021 and 2022

Title	Author(s)/Editor(s)	Price (£)	Price (\$)	ISBN	eISBN	Product code
Behavioral Modelling and Simulation of Bicycle Traffic	Huang & Wu	£115	\$150	978-1-78561-951-9	978-1-78561-952-6	PBTR023
Cable Based and Wireless Charging Systems for EV: Technology and control, management and grid integration	Singh, Padmanaban, Dwivedi, Molinas & Blaabjerg (Eds)	£140	\$180	978-1-83953-178-1	978-1-83953-179-8	PBTR032
Computational Traffic Flow Modelling and Control	Kotsialos	£125	\$160	978-1-78561-166-7	978-1-78561-167-4	PBTR003
Cybersecurity in Transport Systems	Hawley (Ed)	£120	\$155	978-1-78561-668-6	978-1-78561-669-3	PBTR015
Hybrid and All-Electric Aircraft	Turton, Cutcher & Ren (Eds)	£120	\$155	978-1-83953-019-7	978-1-83953-020-3	PBTR021
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V2X Communications for Autonomous Transportation: A comprehensive survey of driving use-cases	Abdulla	£125	\$160	978-1-78561-953-3	978-1-78561-954-0	PBTR022

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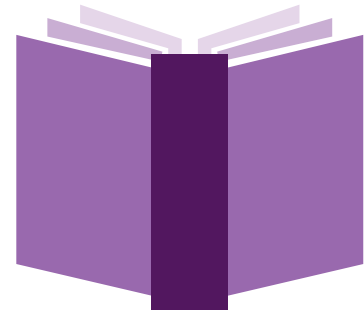
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Collection and Delivery of Traffic and Travel Information	Burton & Stevens (Eds)	£115	\$150	978-1-78561-772-0	978-1-78561-773-7	PBTR018	2020
Smart Sensing for Traffic Monitoring	Ozaki (Ed)	£110	\$145	978-1-78561-774-4	978-1-78561-775-1	PBTR017	2020
Traffic Information and Control	Li & He (Eds)	£115	\$150	978-1-83953-025-8	978-1-83953-026-5	PBTR026	2020
Cooperative Intelligent Transport Systems: Towards high-level automated driving	Lu (Ed)	£125	\$160	978-183953-012-8	978-183953-013-5	PBTR025	2019
ICT for Electric Vehicle Integration with the Smart Grid	Kishor & Fraile-Ardanuy (Eds)	£125	\$160	978-1-78561-762-1	978-1-78561-763-8	PBTR016	2019
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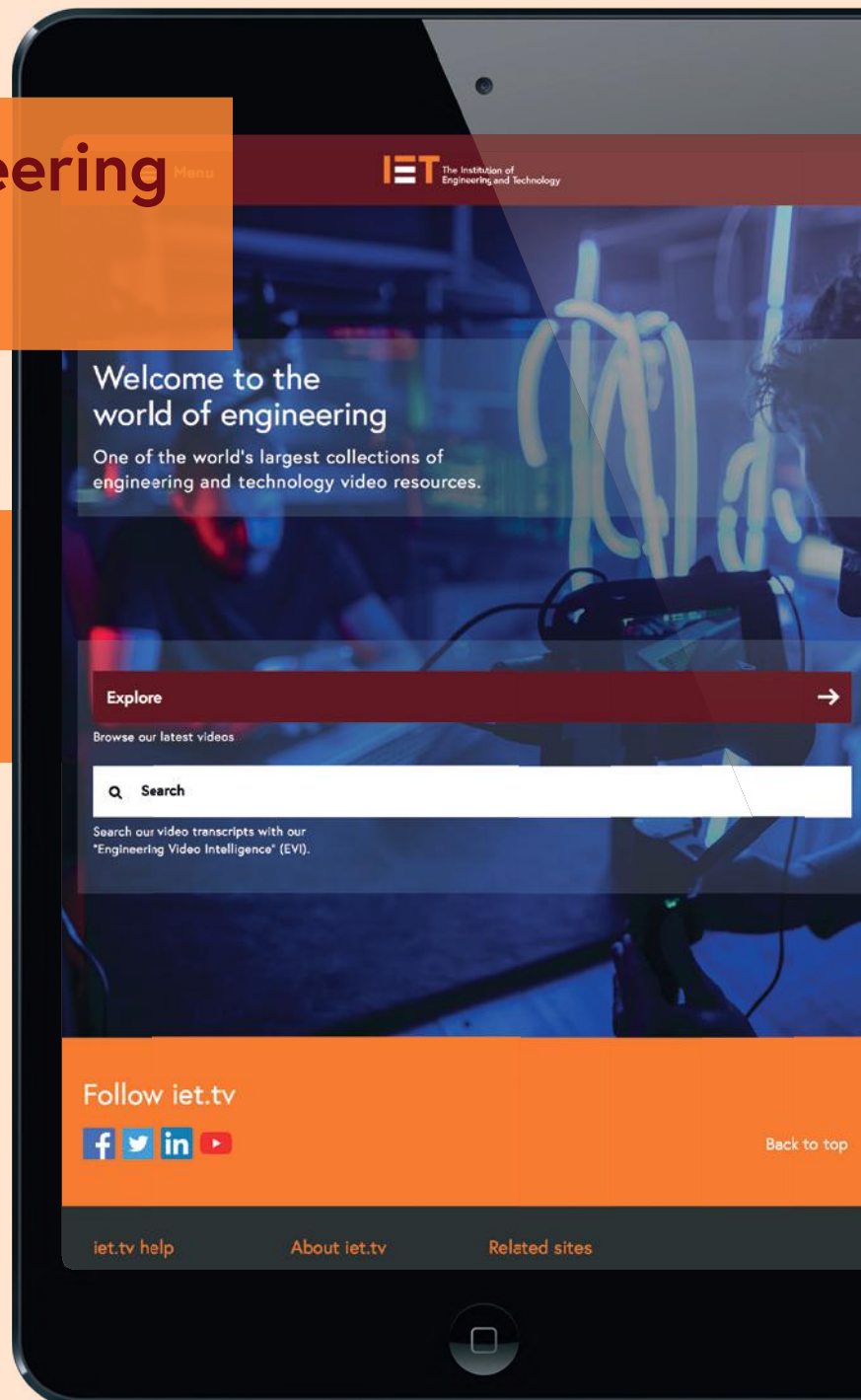
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