

Testing and Development of

AUTONOMOUS VEHICLE



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**AUTONOMOUS
VEHICLE**

Editor
Mohd Azman Abas



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CONTENTS

<i>Contributors</i>	<i>vii</i>
<i>Preface</i>	<i>ix</i>
CHAPTER 1 SELF-DRIVING TECHNOLOGIES	1
<i>Mohd Azman Abas</i>	
CHAPTER 2 SAFETY ASSESSMENT USING SURROGATE SAFETY ASSESSMENT MODEL - A BIBLIOMETRIC ANALYSIS AND REVIEW	13
<i>Muhammad Azam, Sitti Asmah Hassan, and Othman Che Puan</i>	
CHAPTER 3 CHALLENGES AT A ROUNDABOUT	27
<i>Muhammad Azam, Sitti Asmah Hassan, Othman Che Puan, and Shaza Farouk Azhari Hassan</i>	
CHAPTER 4 DEEP LEARNING FOR REAR COLLISION AVOIDANCE	41
<i>Siti Nur Atiqah Halimi, Mohamad Danish Hakim A Rasid, Mohd Hatta Mohammed Ariff, Wira Jazair Yahya, and Mohd Azizi Abdul Rahman</i>	
CHAPTER 5 ALGORITHM FOR OPTIMUM PATH PLANNING	57
<i>Mohamad Danish Hakim A Rashid, Siti Nuratiqah Halimi, Hairi Zamzuri, and Mohd Azizi Abdul Rahman</i>	

CHAPTER 6	MOTION SICKNESS EFFECT USING LATERAL CONTROL	67
	<i>Sarah Atifah Saruchi, Mohd Hatta Mohammed Ariff, Mohd Azizi Abdul Rahman, Nurbaiti Wahid, and Nurhaffizah Hassan</i>	
CHAPTER 7	SCENARIO GENERATION FOR SAFETY TESTING	85
	<i>Ng Yuan Weun, Vimal Rau Aparow, Chai Chee Huei, Lee Chen Hong, Tiong Kai Yen, Cheok Jun Hong, and Lee Kah Onn</i>	
INDEX		117

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PREFACE

This book brings together an extensive body of research focused on improving road safety, vehicle dynamics, and intelligent transportation systems through innovative methodologies and technologies. The rapid advancement in autonomous vehicle technologies, deep learning, and safety assessments provides a compelling backdrop for the work presented here. Each chapter explores crucial aspects of vehicle safety and navigation, offering readers insights into state-of-the-art solutions and their potential to transform transportation systems.

The contributors to this volume are researchers from various fields who have come together to address some of the most pressing issues in traffic management and vehicle safety. Their collective work offers both theoretical frameworks and practical applications, making this book a valuable resource for academics, practitioners, and policymakers alike. The chapters cover a wide array of topics, including bibliometric analysis of safety models, challenges in traffic flow at roundabouts, deep learning for collision avoidance, optimum path planning, and the effects of motion sickness in vehicle control.

We would like to extend our gratitude to all the contributors. Their work not only advances our understanding of the subject matter but also provides a foundation for future research and development in this ever-evolving field. We hope that this book will serve as a valuable resource for those interested in improving road safety and the intelligent design of vehicle systems.

Mohd Azman Abas
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