CRC Press
Taylor & Francis Group

CALL FOR CHAPTERS

Book on Autonomous driving and driver assistance system

This book describes the ongoing research that are relevant to the development and testing of sensor fusion, sensor placement, control algorithms, computer vision etc. for advanced driver assistance systems (ADAS). The text describes how the current research on ADAS is developed, tested and verified for real-time situation. With an infinite number of real time possibilities that need to be addressed, this book provides new methods to solve the complexity.

Autonomous Driving and Driver Assistance System is a collection of chapters on various aspects of ADAS by experts working in the theoretical and application field. As such, the methods and examples demonstrated in the book will be a valuable source of information for academic and industrial researchers, as well as for automotive companies and suppliers.

TOPICS

ADAS & AV Legal Issues & Liabilities
- *Addressing the Policy Issues Associated with Automated Driving Systems (ADS)*
- *Legal issues surrounding cybersecurity and privacy*
- *Human factors of automated driving systems*
- *Legal risk mitigation- How regulatory uncertainty impact the development of ADAS technolog*

Autonomous Vehicle Test & Development:
- *Deep learning system*
- *Perception systems for object detection*
- *Motion planning system*
- *Path planning and optimization*
- *Sensor Fusion*
- *Mapping and Localization*
- *Virtual test driving*
- *Simulation of autonomous driving*
- *Autonomous vehicle development platforms*
- *Software framework like ROS and open source projects*
- *Pattern recognition and control algorithms*
- *Contextual awareness and processing*
- *Virtual sensors*
- *Hardware in loop implementation & validation*

Autonomous Vehicle Applications:
- *Autonomous Parking system*
- *Driving modes*

Website link:
http://qboticslabs.com/callchapters.html

Submission Link
https://easychair.org/conferences/?conf=addas1

Important Dates
CHAPTER ABSTRACT ACCEPTANCE DEADLINE - 10TH APRIL, 2020
NOTIFICATION OF ABSTRACT - 30TH APRIL, 2020
FULL CHAPTERS SUBMISSION - 20THJULY, 2020
FINAL VERSION DEADLINE - 30TH SEPTEMBER, 2020

Guest Editors

Lentin Joseph
CEO of Qbotics Labs
Author of ROS Robotics Projects, Mastering ROS for Robotics Programming & Learning Robotics using Python
http://www.lentinjoseph.com/
https://www.linkedin.com/in/lentinjoseph/
qboticslabs@gmail.com

Amit Kumar Mondal, PhD
Assistant Professor,
School of Engineering & Information Technology
Manipal Academy of Higher Education
G04, Dubai International Academic City (DIAC)
PO Box 345050
Dubai – UAE
https://www.linkedin.com/in/amit-kumar-mondal-91970830/
akmondal@ieee.org; amit.mondal@manipaldubai.com

There is NO processing/publication charges for this book