## **Table of Contents**

Intentional Binding in Direct and Indirect Manipulation for Pointing Task  Kazuhisa Miwa, Mizuki Hirata, Hojun Choi, and Tomomi Shimizu	1
A Neural Network-Based Estimation of Tire Self-Aligning Torque  Younesse El Mrhasli, Bruno Monsuez, and Xavier Mouton	5
Towards Cross-Cultural Intelligent Vehicles: A Review Imane Taourarti, Arunkumar Ramaswamy, Javier Ibanez-guzman, Bruno Monsuez, and Adriana Tapus	12
Federated Monocular 3D Object Detection for Autonomous Driving Fangyuan Chi, Yixiao Wang, Panos Nasiopoulos, Victor C.M. Leung, and Mahsa T. Pourazad	20
Simulation Environment for Validation of Automated Lane-Keeping System  Jiri Vlasak, Michal Sojka, and Zdene?k Hanza?lek	24
Baseline Selection for Integrated Gradients in Predictive Maintenance of Volvo Trucks' Turbocharger Nellie Karlsson, My Bengtsson, Mahmoud Rahat, and Peyman Sheikholharam Mashhadi	29
An Efficient YOLOv7x Based Automated Street Parking Space Detection for Smart Cities  Tala Bazzaza, Hamid Reza Tohidypour, Yixiao Wang, and Panos Nasiopoulos	37
Approach to Modeling Energy Consumption of Auxiliary Consumers in Electric Vehicles  Tuyen Nguyen, Hendrik Schulte, and Reiner Kriesten	41
A Holistic Approach on Automotive Cybersecurity for Suppliers  Jose Angel Gumiel Quintana, Jon Mabe Alvarez, Jaime Jimenez Verde, and Jon Barruetabena Pujana	47