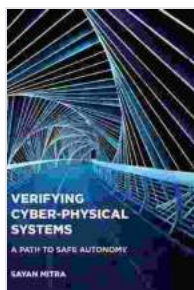


The Path to Safe Autonomy: A Comprehensive Series on Cyber-Physical Systems for Autonomous Vehicles

The automotive industry is on the cusp of a transformative era, with the advent of autonomous vehicles. These vehicles have the potential to revolutionize transportation, making it safer, more efficient, and more accessible. However, the development of autonomous vehicles is a complex undertaking, fraught with technical challenges. One of the most critical challenges is ensuring that these vehicles are safe.



Verifying Cyber-Physical Systems: A Path to Safe Autonomy (Cyber Physical Systems Series) by Sayan Mitra

★★★★☆ 4 out of 5

Language : English
File size : 20798 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 296 pages



Cyber-physical systems (CPS) are the key to unlocking the full potential of autonomous vehicles. CPS are systems that seamlessly integrate physical and computational components, enabling them to communicate and interact with each other. In autonomous vehicles, CPS are used to control various aspects of the vehicle, including navigation, braking, and

acceleration. Ensuring the safety of autonomous vehicles requires the development of safe and reliable CPS.

The Path to Safe Autonomy Series

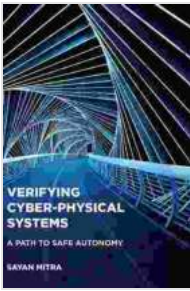
This series of articles will provide a comprehensive overview of the path to safe autonomy, with a focus on the role of cyber-physical systems.

- Article 1: to Cyber-Physical Systems for Autonomous Vehicles
- Article 2: The Challenges of Developing Safe CPS for Autonomous Vehicles
- Article 3: Techniques for Developing Safe CPS for Autonomous Vehicles
- Article 4: Case Studies of Safe CPS for Autonomous Vehicles
- Article 5: The Future of Safe CPS for Autonomous Vehicles

The development of safe autonomous vehicles is a critical step towards realizing the full potential of autonomous technology. This series of articles will provide you with the knowledge and insights you need to understand the path to safe autonomy, and to contribute to the development of this transformative technology.

About the Author

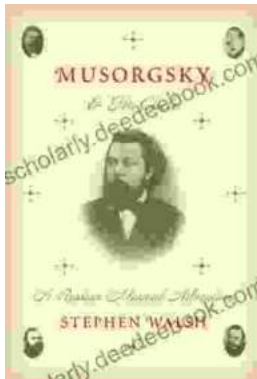
The Path To Safe Autonomy Editorial Team is a group of experts in the field of cyber-physical systems for autonomous vehicles. The team is dedicated to providing high-quality, up-to-date information on this rapidly evolving topic.



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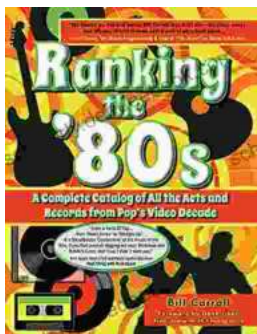
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