

New Book Unlocks the Secrets Behind Self-Driving Cars: Simon Čotar Explores the Future of Autonomous Driving

Designing and Developing Autonomous Driving Systems is Particular reveals how AI, safety redundancy, and machine learning are shaping vehicles that don't just drive but think.

DESIGNING AND DEVELOPING AUTONOMOUS DRIVING SYSTEM IS PARTICULAR

(True Redundancy in Software -
Defined Vehicles)



Simon Čotar

Spodnja Besnica, Gorenjska Sep 17, 2025 ([IssueWire.com](https://www.IssueWire.com)) - Can Machines Truly Drive Smarter Than Humans?

For years, the idea of self-driving cars felt like science fiction. Today, autonomous vehicles are no longer futuristic dreams they are real, on our streets, and advancing quickly. But as these vehicles move closer to widespread adoption, one question remains: can we trust machines with our safety?

In his groundbreaking new book, **Simon Čotar** pulls back the curtain on the science, systems, and challenges that make autonomy possible. *Designing and Developing Autonomous Driving Systems is Particular: True Redundancy in Software Defined Vehicles* goes beyond the headlines, explaining how autonomous driving works—and why redundancy is critical for building vehicles that can truly think, react, and adapt in real time.

Inside the World of Autonomous Vehicles

Čotar offers a roadmap to understanding the future of mobility, blending technical expertise with accessible explanations that anyone—from tech enthusiasts to industry insiders—can follow. The book explores:

- **The Core Challenges of Autonomy** – Why designing software-defined vehicles is among today's most complex engineering problems.
- **How Self-Driving Cars “Think”** – Insights into AI, machine learning, and sensor fusion.
- **Safety & Redundancy** – The essential layers of fail-safes that prevent catastrophic failures.
- **Human-AI Interaction** – How cars predict behavior and cooperate with human drivers.
- **Cybersecurity Threats** – Why protecting autonomous systems from hackers is as critical as road safety.
- **The Future of Connected Mobility** – How AVs will reshape cities, commuting, and traffic management.

Each chapter balances vision with reality, giving readers a clear look at both the promise and limitations of the technology reshaping transportation.

Why This Book Matters Now

The timing of Čotar's book couldn't be more relevant. Analysts project **global investment in autonomous driving technology will surpass \$300 billion in the next decade**. Automakers, tech giants, and governments are racing toward adoption—but questions of safety, ethics, and trust remain.

“Autonomy isn't just about replacing human drivers,” Čotar explains. “It's about building smarter

systems that can adapt instantly to unpredictable real-world conditions. That's why redundancy—the ability to have multiple backup systems—is non-negotiable.”

By unpacking both the engineering breakthroughs and the ethical debates, Čotar equips readers with knowledge that goes beyond flashy headlines. This book provides the clarity needed for anyone wondering whether they'd feel safe stepping into a car with no human at the wheel.

A Must-Read for Innovators and Everyday Drivers

Whether you're a **tech lover curious about AI, an industry professional shaping the future of vehicles, or a daily commuter wondering what's next**, Čotar's book offers a unique perspective. It connects cutting-edge science with everyday concerns, ensuring readers understand not only *how* self-driving cars work—but also *why* they matter.

About the Author

Simon Čotar is a researcher and innovator with deep expertise in AI-driven mobility and software-defined vehicles. His work examines how artificial intelligence, redundancy, and safety systems can transform the way we travel. With *Designing and Developing Autonomous Driving Systems is Particular*, he delivers a clear, engaging, and forward-thinking exploration of the autonomous driving revolution.

Availability

Designing and Developing Autonomous Driving Systems is Particular: True Redundancy in Software Defined Vehicles is now available on **Amazon Kindle**.

Grab your copy today and discover how the future of driving is being built right now.

Amazon Link: <https://www.amazon.com/dp/B0F217ZPJF>

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