Transportation CPS Safety Challenges

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Philip Koopman

Philip Koopman's background includes time as a submarine officer for the US Navy, a principal in a couple small startups, an embedded CPU architect for Harris Semiconductor, and an embedded system architect for United Technologies Research Center. At Carnegie Mellon, he worked in the broad areas of wearable computers, software robustness, embedded networking, dependable embedded computer systems, and autonomous vehicle safety. His current research interests focus on embedded systems, including the topics: dependability, safety, critical systems, embedded control networks, distributed embedded systems, secure embedded systems, and embedded systems education. Koopman is a senior member of IEEE, senior member of the ACM, and a member of IFIP WG 10.4 on Dependable Computing and Fault Tolerance.

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