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BASIL: Open Source Traceability for Safety-Critical Systems”

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Ensuring traceability and compliance remains a major challenge in the development of safety-critical systems. BASIL —The FuSa Spice —is an open-source tool from the ELISA Project that helps engineers manage traceability across documentation, requirements, implementation, testing, and safety evidence. Designed to integrate seamlessly with existing tools and test infrastructures, BASIL offers a practical and extensible solution to support functional safety assessments and audits. This talk introduces BASIL’s architecture and key features, illustrates its application in real-world safety workflows, and highlights opportunities for community collaboration. Attendees will discover how BASIL brings openness, automation, and transparency to traceability management in safety-critical software projects.

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