

### **Automated identification of application-dependent safe faults in automotive systems-on-a-chips**

**Bagbaba, Ahmet Cagri**; Augusto da Silva, Felipe; Sonza Reorda, Matteo; Hamdioui, Said; **Jenihhin, Maksim**; Sauer, Christian  
Electronics 2022 / art. 319 <https://doi.org/10.3390/electronics11030319> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Combining conceptual modelling and formal methods to design control systems**

**Vain, Jüri**; Hooman, J. Selected papers from the 8th Nordic Workshop on Programming Theory, University of Oslo, May, 1997 1997 / p. 109-118

### **Combining fault analysis technologies for ISO26262 functional safety verification**

Augusto da Silva, Felipe; **Bagbaba, Ahmet Cagri**; Hamdioui, Said; Sauer, Christian 2019 IEEE 28th Asian Test Symposium (ATS) : 10–13 December 2019, Kolkata, India : proceedings 2019 / p. 129–134 : ill <https://doi.org/10.1109/ATS47505.2019.00024>

### **Design of Cyber Bio-analytical Physical Systems : formal methods, architectures, and multi-system interaction strategies**

**Ashraf, Kanwal**; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas** Microprocessors and microsystems 2023 / art. 104780, 14 p. : ill <https://doi.org/10.1016/j.micpro.2023.104780> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Determined-safe faults identification : a step towards ISO26262 hardware compliant designs**

Augusto da Silva, Felipe; **Bagbaba, Ahmet Cagri**; Sartoni, Sandro; Cantoro, Riccardo; Sonza Reorda, Matteo; Hamdioui, Said; Sauer, Christian 2020 25th IEEE European Test Symposium (ETS) 2020 / 6 p. : ill <https://doi.org/10.1109/ETS48528.2020.9131568>

### **Efficient methodology for ISO26262 functional safety verification**

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### **Model checking in planning resource-sharing based manufacturing**

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### **Model checking in planning resource-sharing based manufacturing**

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### **Reflection, rewinding, and coin-toss in EasyCrypt**

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### **Specification and formal analysis of real-time software in Conrad**

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### **Zero-knowledge in EasyCrypt**

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