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Soggetti	Programming languages (Electronic computers) Software engineering Computers Artificial intelligence Computer simulation Programming Languages, Compilers, Interpreters Software Engineering Theory of Computation Artificial Intelligence Simulation and Modeling
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Nota di contenuto	Modelling and Analysing ERTMS L3 Moving Block Railway Signalling with Simulink and Uppaal SMC -- Formal Modelling and Verification of an Interlocking using mCRL2 -- A DFT Modeling Approach for Infrastructure Reliability Analysis of Railway Station Areas -- Multiple Analyses, Requirements Once: simplifying testing & verification in automotive model-based development -- The Impact of Requirement Splitting on the Efficiency of Supervisory Control Synthesis -- Incremental development of a safety critical system combining formal methods and DSMLs -- Probabilistic Verification for Reliable Network-on-Chip System Design -- A Simulator for LLVM Bitcode -- Verification of Decision Making Software in an Autonomous Vehicle: An Industrial

## Case Study.

### Sommario/riassunto

This book constitutes the proceedings of the 24th International Conference on Formal Methods for Industrial Critical Systems, FMICS 2019, held in Amsterdam, The Netherlands, in August 2019. The 9 regular papers presented in this volume were carefully reviewed and selected from 15 submissions. The conference also featured invited talks by Jaco van de Pol (Aarhus University, and Twente University), jointly with CONCUR, and Holger Hermanns (Universität des Saarlandes) and a special session on (commercial) formal methods in industry. The aim of the FMICS conference series is to provide a forum for researchers who are interested in the development and application of formal methods in industry. In particular, FMICS brings together scientists and engineers who are active in the area of formal methods and interested in exchanging their experiences in the industrial usage of these methods. The FMICS conference series also strives to promote research and development for the improvement of formal methods and tools for industrial applications.