

Leveraging Applications of Formal Methods, Verification and Validation. Rigorous Engineering of Collective Adaptive Systems

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The open access ISoLA 2026 proceedings constitutes contributions of the associated events held at the 13th International Symposium on Leveraging Applications of Formal Methods, ISoLA 2026, which took place in Kos, Greece, in October 2026. ISoLA 2026 provides a forum for developers, users, and researchers to discuss issues related to the adoption and use of rigorous tools and methods for the specification, analysis, verification, certification, construction, test, and maintenance of systems from the point of view of their different application domains. The papers have been organized in topical sections over five volumes as follows: Part I: Leveraging Applications of Formal Methods, Verification and Validation. Rigorous Engineering of Collective Adaptive Systems Part II: Leveraging Applications of Formal Methods, Verification and Validation. Formal Methods for Distributed Computing in Future Railway Systems Part III: Leveraging Applications of Formal Methods, Verification and Validation. Bridging Gaps between Software and System Contracts Part IV: Leveraging Applications of Formal Methods, Verification and Validation. X-by-Construction Meets Intersymbolic AI Part V: Leveraging Applications of Formal Methods, Verification and Validation. Scalable Verification and Validation of Concurrent and Distributed Systems

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