

PREFACE

This volume contains selected papers presented at the 40th IFIP WG 6.1 International Conference on Formal Techniques for Distributed Objects, Components, and Systems (FORTE 2020). The conference was held as one of three main conferences of the 15th International Federated Conference on Distributed Computing Techniques (DisCoTec 2020) during June 15-19, 2020, online due to the coronavirus pandemic.

FORTE is a well-established forum for fundamental research on theory, models, tools, and applications for distributed systems, with special interest in:

- Software quality, reliability, availability, and safety
- Security, privacy, and trust in distributed and/or communicating systems
- Service-oriented, ubiquitous, and cloud computing systems
- Component- and model-based design
- Object technology, modularity, and software adaptation
- Self-stabilization and self-healing/organizing
- Verification, validation, formal analysis, and testing of the above

This special issue features five articles:

- Eleni Bila, John Derrick, Simon Doherty, Brijesh Dongol, Gerhard Schellhorn, and Heike Wehrheim. Modularising Verification Of Durable Opacity.
- Sebastian Biewer, Rayna Dimitrova, Michael Fries, Maciej Gazda, Thomas Heinze, Holger Hermanns, and Mohammad Reza Mousavi. Conformance Relations and Hyperproperties for Doping Detection in Time and Space.
- Jeremy Sproston. Probabilistic Timed Automata with One Clock and Initialised Clock-Dependent Probabilities.
- Adam Shimi, Aurélie Hurault, and Philippe Queinnec. Characterization and Derivation of Heard-Of Predicates for Asynchronous Message-Passing Models.
- Igor Konnov, Marijana Lazić, Iliana Stoilkovska, and Josef Widder. Survey on Parameterized Verification with Threshold Automata and the Byzantine Model Checker.

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Alexey Gotsman, Ana Sokolova
⟨FORTE⟩ ⟨2020⟩ Program Chairs and Guest Editors of the Special Issue

All articles have already been published in the regular issues of Logical Methods in Computer Science.