## Contents

Session Types for Link Failures .......................................................... 1
   Manuel Adameit, Kirstin Peters, and Uwe Nestmann

Learning-Based Compositional Parameter Synthesis for Event-Recording Automata .................................................. 17
   Étienne André and Shang-Wei Lin

Modularising Opacity Verification for Hybrid Transactional Memory ...... 33
   Alasdair Armstrong and Brijesh Dongol

Proving Opacity via Linearizability: A Sound and Complete Method ......... 50
   Alasdair Armstrong, Brijesh Dongol, and Simon Doherty

On Futures for Streaming Data in ABS (Short Paper) .............................. 67
   Keyvan Azadbakht, Nikolaos Bezirgiannis, and Frank S. de Boer

Session-Based Concurrency, Reactively .............................................. 74
   Mauricio Cano, Jaime Arias, and Jorge A. Pérez

Procedural Choreographic Programming ............................................ 92
   Luís Cruz-Filipe and Fabrizio Montesi

An Observational Approach to Defining Linearizability on Weak Memory Models ......................................................... 108
   John Derrick and Graeme Smith

Applying a Dependency Mechanism for Voting Protocol Models Using Event-B ................................................................. 124
   J. Paul Gibson, Souad Kherroubi, and Dominique Méry

Weak Simulation Quasimetric in a Gossip Scenario .................................. 139
   Ruggero Lanotte, Massimo Merro, and Simone Tini

Reasoning About Distributed Secrets .................................................. 156
   Nicolás Bordenabe, Annabelle McIver, Carroll Morgan, and Tahiry Rabehaja

Classical Higher-Order Processes (Short Paper) ....................................... 171
   Fabrizio Montesi

Weak Nominal Modal Logic ................................................................. 179
   Joachim Parrow, Tjark Weber, Johannes Borgström, and Lars-Henrik Eriksson
Type Inference of Simulink Hierarchical Block Diagrams in Isabelle
Viorel Preoteasa, Iulia Dragomir, and Stavros Tripakis

Creating Büchi Automata for Multi-valued Model Checking
Stefan J.J. Vijzelaar and Wan J. Fokkink

Privacy Assessment Using Static Taint Analysis (Tool Paper)
Marcel von Maltitz, Cornelius Diekmann, and Georg Carle

EPTL - A Temporal Logic for Weakly Consistent Systems (Short Paper)
Mathias Weber, Annette Bieniusa, and Arnd Poetzsch-Heffter

Author Index
Formal Techniques for Distributed Objects, Components, and Systems
37th IFIP WG 6.1 International Conference, FORTE 2017,
Held as Part of the 12th International Federated
Conference on Distributed Computing Techniques,
DisCoTec 2017, Neuchâtel, Switzerland, June 19-22,
2017, Proceedings
Bouajjani, A.; Silva, A. (Eds.)
2017, XIV, 243 p. 50 illus., Softcover
ISBN: 978-3-319-60224-0