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Nota di contenuto	Invited Paper -- PSL for Runtime Verification: Theory and Practice -- AOP-Related Papers -- On the Semantics of Matching Trace Monitoring Patterns -- Collaborative Runtime Verification with Tracematches -- Static and Dynamic Detection of Behavioral Conflicts Between Aspects -- Escaping with Future Variables in HALO -- Runtime Verification of Interactions: From MSCs to Aspects -- Towards a Tool for Generating Aspects from MEDL and PEDL Specifications for Runtime Verification -- ARVE: Aspect-Oriented Runtime Verification Environment -- Core Runtime Verification Papers -- From Runtime Verification to Evolvable Systems -- Rule Systems for Run-Time Monitoring: From Eagle to RuleR -- The Good, the Bad, and the Ugly, But How Ugly Is Ugly? -- Translation Validation of System Abstractions -- Instrumentation of Open-Source Software for Intrusion Detection -- Statistical Runtime Checking of Probabilistic Properties -- Temporal Assertions with Parametrised Propositions -- Rollback Atomicity -- Runtime Checking for Program Verification.
Sommario/riassunto	Runtime veri?cation is a recent direction in formal methods research, which is complementary to such well-established formal veri?cation methods as model checking. Research in runtime veri?cation deals with formal languages suitable for expressing system properties that are checkable at run time; algorithms for checking of formal properties over an execution trace; low-overhead means of extracting information

from the running system that is su?cient for checking of the property. Applications of runtime veri?cation technology include po- deployment monitoring of system correctness and performance; construction of formally speci?ed test oracles; collection of statistics about system behavior, among others. The Workshop on Runtime Veri?cation was started in 2001 and has been held annually since then. The workshop was co-located with the Conference on Computer-Aided Veri?cation (CAV) in 2001–2003 and 2005–2006;and with the European Joint Conferences on Theory and Practice of Software (ETAPS) in 2004. In 2007, the workshop was held on March 13, 2007 in Vancouver, British Columbia, Canada, co-located to the Conference on Aspect-Oriented Software Development (AOSD) in order to explore the emerging connections between the two communities.