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Collana	Programming and Software Engineering, , 2945-9168 ; ; 11753
Disciplina	003 005.1
Soggetti	Software engineering Compilers (Computer programs) Computer programming Logic design Computer networks Software Engineering Compilers and Interpreters Programming Techniques Logic Design Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Keynote -- Generating Test Suites to Validate Legacy Systems -- Distributed Applications, Metamodeling and Protocols -- Deriving Distributed Design Models from Global State Machines Requirements -- Generic Graphical Navigation for Modelling Tools -- Protocol syntax development using domain specific modeling languages -- Industry 4.0 Applications -- Use of a pivot diagram in SysML to support an automated implementation of a MBSE design methodology in an Industry 4.0 context -- Modeling and code generation framework for IoT -- Process Enactment with Traceability Support for NFV Systems -- Modeling in Environmental Social and Industrial Systems -- On the

Structure of Avionics Systems Architecture -- Generating Executable Code from High-level of Social or Socio-Ecological Model Descriptions -- Towards a representation of Cellular Automaton using Specification and Description Language -- Interoperability -- Goal Model Integration: Advanced Relationships and Rationales Documentation -- Union Models: Support for Efficient Reasoning about Model Families over Space and Time -- Facilitating the Co-Evolution of Standards and Models -- Concurrency, Data Integrity -- Adapting Integrity Checking Techniques for Concurrent Operation Executions -- Eventual Consistency Formalized.

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Sommario/riassunto

This book constitutes the refereed proceedings of the 11th International Conference on System Analysis and Modeling, SAM 2019, held in Munich, Germany, in September 2019. The 12 full papers and 2 work in progress papers presented together with one keynote talk were carefully reviewed and selected from 28 submissions. The papers discuss the most recent innovations, trends, and experiences in modeling and analysis of complex systems using ITU-T's Specification and Description Language (SDL-2010) and Message Sequence Chart (MSC) notations, as well as related system design languages — including UML, ASN.1, TTCN, SysML, and the User Requirements Notation (URN). SAM 2019's theme was “Languages, Methods, and Tools for Industry 4.0.”

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