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Modules for Dynamic Rebinding -- A Distributed Object-Oriented Language with Session Types -- Engineering Runtime Requirements-Monitoring Systems Using MDA Technologies -- Automated Analysis of Infinite Scenarios -- Namespace Logic: A Logic for a Reflective Higher-Order Calculus -- Erratum.

Sommario/riassunto

Computing technology has become ubiquitous, from global applications to - nuscule embedded devices. Trust in computing is vital to help protect public safety,nationalsecurity,andeconomicprosperity. Anewareaofresearch,known as global computing, has recently emerged that aims at de'ning new models of computation based on code and data mobility over wide area networks with highly dynamic topologies, and that aims at providing infrastructures to s- port coordination and control ofcomponents originatig n fromdi'erent,possibly untrusted, sources.Trustworthyglobalcomputing aims at guaranteeingsafe and reliable network usage, also by providing tools and framework for reasoning about behavior and properties of applications. AnInternationalSymposiumonTrustworthyGlobalComputing(TGC2005), was held in Edinburgh, UK, April 7-9, 2005. The symposium contained pres- tations and discussions dealing with issues such as: - resource usage, - language-based security, - theories of trust and authentication, - privacy, reliability and business integrity, - access control and mechanisms for enforcing it, - models of interaction and dynamic components management, - language concepts and abstraction mechanisms, - test generators, symbolic interpreters, type checkers, - ?nite state model checkers, theorem provers, - software principles to support debugging and veri'cation.