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Titolo	Object-Based Concurrent Computing [[electronic resource]] : ECOOP '91 Workshop, Geneva, Switzerland, July 15-16, 1991. Proceedings // edited by Mario Tokoro, Oscar Nierstrasz, Peter Wegner
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Descrizione fisica	1 online resource (XI, 269 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 612
Disciplina	005.1
Soggetti	Software engineering Computer programming Programming languages (Electronic computers) Software Engineering/Programming and Operating Systems Programming Techniques Programming Languages, Compilers, Interpreters
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Towards an object calculus -- On asynchronous communication semantics -- A unifying framework for process calculus semantics of concurrent object-oriented languages -- A sheaf semantics for FOOPS expressions (extended abstract) -- Semantic layers of object-based concurrent computing -- Formal techniques for parallel object-oriented languages -- Trace semantics for actor systems -- Dynamic programming as multiagent programming -- Scheduling predicates -- A concurrency control mechanism for C++ objects -- Object-Oriented Concurrent Reflective architectures -- Abstract description of distributed object systems -- Design issues for object-based concurrency -- Panel: What is an object?.
Sommario/riassunto	The ECOOP '91 Workshop on Object-Based Concurrent Computing was organized to provide a forum on concurrent, distributed and open-ended computing. The emphasis was on conceptual, theoretical and formal aspects, as well as practical aspects and sound experience, since such a viewpoint was deemed indispensable to investigate and establish

a basis for future development. This volume contains 12 papers selected from 25 presented at the workshop, together with a paper by J.A. Goguen, who was an invited speaker at the workshop. The papers are classified into four categories: Formal methods (1): three papers are concerned with the formal semantics of concurrent objects based on process calculi. Formal methods (2): four papers are concerned with various formal approaches to the semantics of concurrent programs. Concurrent programming: three papers. Models: three papers are concerned with models for concurrent systems.
