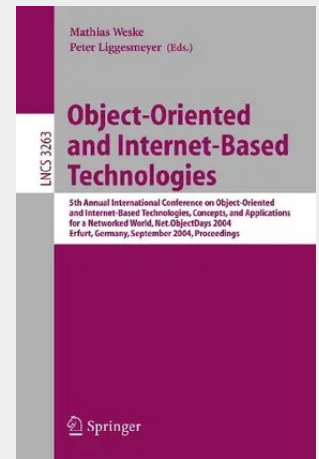


Object-Oriented and Internet-Based Technologies

5th Annual International Conference on Object-Oriented and Internet-Based Technologies, Concepts, and Applications for a Networked World, Net.ObjectDays 2004 Erfurt, Germany, September 27-30, 2004 Proceedings

Based on the Net.ObjectDays tradition of bringing together researchers from academia and industry on the one hand and system architects, developers, and users from industry and administration on the other hand, this year's conference took an international research perspective, so that we see the first volume of Net.ObjectDays main conference proceedings published in the Springer Lecture Notes in Computer Science series. This volume consists of 16 papers carefully selected in a rigorous reviewing process by an international program committee; to provide a concise overview, these papers are briefly described. In the Languages and Models session, Beate Ritterbach proposes a new language element for object-oriented programming languages that supports arbitrary value types. In her contribution Support for Value Types in an Object-Oriented Programming Language she describes the corresponding keywords, syntax, and consistency checks, thereby giving an impression of the look and feel of value types from an application programmer's perspective. Walter Binder and Jarle Hulaas look at portable CPU accounting and control in Java, which is based on program transformation techniques. In their paper Self-accounting as Principle for Portable CPU Control in Java periodically the threads of an application component aggregate the information of their respective CPU consumption within a shared account; scheduling functions make sure applications do not exceed their allowed CPU share.

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