

Read Online From Object Orientation To Formal Methods

From Object Orientation To Formal Methods

This book constitutes revised selected papers from the 6th International Workshop on Structures Object-Oriented Formal Language and Method, SOFL+MSVL 2016, held in Tokyo, Japan, in November 2016. The 13 papers presented in this volume were carefully reviewed and selected from 26 submissions. They are organized in topical sections named: modeling and specification; animation and prototyping; verification and validation; and model checking.

SDL 92 is the recognized international standard language

Read Online From Object Orientation To Formal Methods

for designing and specifying telecommunications systems, and is increasingly also used for RAD, real-time, interactive applications. This is the first complete introduction and reference to SDL for both novices and experienced system engineers. The book begins with an overview of basic SDL concepts, structure and syntax. It introduces SDL abstract data types, the SDL interpretation model, and shows how to specify protocols with SDL. All professional systems engineers, programmers and students of system development working in telecommunications, real-time, interactive and distributed systems.

This book presents the proceedings of the 9th International Conference of Z Users, ZUM '95, held in

Read Online From Object Orientation To Formal Methods

Limerick, Ireland in September 1995. The book contains 34 carefully selected papers on Z, using Z, applications of Z, proof, testing, industrial usage, object orientation, animation of specification, method integration, and teaching formal methods. Of particular interest is the inclusion of an annotated Z bibliography listing 544 entries. While focussing on Z, by far the most commonly used "formal method" both in industry and application, the volume is of high relevance for the whole formal methods community.

This volume contains the proceedings of Formal Methods 2005, the 13th International Symposium on Formal Methods held in Newcastle upon Tyne, UK, during July 18–22, 2005. Formal Methods Europe (FME,

Read Online From Object Orientation To Formal Methods

www.fmeurope.org) is an independent association which aims to stimulate the use of, and research on, formal methods for system development. FME conferences began with a VDM Europe symposium in 1987. Since then, the meetings have grown and have been held about once every 18 months. Throughout the years the symposia have been notably successful in bringing together the researchers, tool developers, vendors, and users, both from academia and from industry. Formal Methods 2005 confirms this success. We received 130 submissions to the main conference, from all over the world. Each submission was carefully refereed by at least three reviewers. Then, after an intensive, in-depth discussion, the Program Committee selected 31 papers for

Read Online From Object Orientation To Formal Methods

presentation at the conference. They form the bulk of this volume. We would like to thank all the Program Committee members and the referees for their excellent and efficient work. Apart from the selected contributions, the Committee invited three keynote lectures from Mathai Joseph, Marie-Claude Gaudel and Chris Johnson. You will find the abstracts/papers for their keynote lectures in this volume as well. An innovation for the FM2005 program was a panel discussion on the history of formal methods, with Jean-Raymond Abrial, Dines Bjørner, Jim Horning and Clive Jones as panelists. Unfortunately, it was not possible to reflect this event in the current volume, but you will find the material documenting it elsewhere (see the conference Web page).

Read Online From Object Orientation To Formal Methods

This book is dedicated to the memory of Ole-Johan Dahl who passed away in June 2002 at the age of 70, shortly after he had received, together with his colleague Kristen Nygaard, the ACM Alan M. Turing Award: "For ideas fundamental to the emergence of object-oriented programming, through their design of the programming languages Simula I and Simula 67." This Festschrift opens with a short biography and a bibliography recollecting Ole-Johan Dahl's life and work, as well as a paper he wrote entitled: "The Birth of Object-Orientation: the Simula Languages." The main part of the book consists of 14 scientific articles written by leading scientists who worked with Ole-Johan Dahl as students or colleagues. In accordance with the scope of Ole-Johan

Read Online From Object Orientation To Formal Methods

Dahl's work and the book's title, the articles are centered around object-orientation and formal methods.

At the time of writing (mid-October 1998) we can look back at what has been a very successful ECOOP'98.

Despite the time of the year – in the middle of what is traditionally regarded as a holiday period – ECOOP'98 was a record breaker in terms of number of participants. Over 700 persons found their way to the campus of the Brussels Free University to participate in a wide range of activities. This 3rd ECOOP workshop reader reports on many of these activities. It contains a careful selection of the input and a cautious summary of the outcome for the numerous discussions that happened during the workshops, demonstrations and posters. As such, this

Read Online From Object Orientation To Formal Methods

book serves as an excellent snapshot of the state of the art in the field of object oriented programming. About the diversity of the submissions A workshop reader is, by its very nature, quite diverse in the topics covered as well as in the form of its contributions. This reader is not an exception to this rule: as editors we have given the respective organizers much freedom in their choice of presentation because we feel form follows content. This explains the diversity in the types of reports as well as in their lay out.

[Formal Transformations from Graphically-Based Object-Oriented Representations to Theory-Based Specifications](#)

[6th International Workshop, SOFL+MSVL 2016, Tokyo,](#)

Read Online From Object Orientation To Formal Methods

[Japan, November 15, 2016, Revised Selected Papers Third International Symposium, FMCO 2004, Leiden, The Netherlands, November 2-5, 2004, Revised Lectures International Conference, FoVeOOS 2010, Paris, France, June 28-30, 2010, Revised Selected Papers A Study of Object Orientation and Formal Specifications for the Analysis of an Expert System Formal Object-Oriented Development Formal Methods Applied to Object-oriented Programming Third International Workshop, SOFL+MSVL 2013, Queenstown, New Zealand, October 29, 2013, Revised Selected Papers A Formal Description of Object-oriented Programming Using VDM](#)

Read Online From Object Orientation To Formal Methods

[SDL](#)

This book constitutes revised selected papers from the Third International Workshop on Structured Object-Oriented Formal Language and Method, SOFL+MSVL 2013, held in Queenstown, New Zealand, in October 2013. The 13 papers presented in this volume were carefully reviewed and selected from 22 submissions. They are organized in topical sections on testing and verification, simulation and model checking, SOFL tools, and formal specification and application. Formal Methods for Open Object-Based Distributed Systems presents the leading edge in several related fields,

Read Online From Object Orientation To Formal Methods

specifically object-orientated programming, open distributed systems and formal methods for object-oriented systems. With increased support within industry regarding these areas, this book captures the most up-to-date information on the subject. Many topics are discussed, including the following important areas: object-oriented design and programming; formal specification of distributed systems; open distributed platforms; types, interfaces and behaviour; formalisation of object-oriented methods. This volume comprises the proceedings of the International Workshop on Formal Methods for Open Object-based Distributed Systems (FMOODS), sponsored

Read Online From Object Orientation To Formal Methods

by the International Federation for Information Processing (IFIP) which was held in Florence, Italy, in February 1999. Formal Methods for Open Object-Based Distributed Systems is suitable as a secondary text for graduate-level courses in computer science and telecommunications, and as a reference for researchers and practitioners in industry, commerce and government.

This book constitutes the thoroughly refereed workshop proceedings of the 9th International Workshop on Structured Object-Oriented Formal Language and Method, SOFL+MSVL 2019, held in Shenzhen, China, in November 2019. The 23 revised full papers included in

Read Online From Object Orientation To Formal Methods

the volume were carefully reviewed and selected from 43 submissions. They are organized in the following topical sections: testing and debugging, formal verification, problem solving, software analysis and evolution, and software analysis and testing.

This book presents revised tutorial lectures given by invited speakers at the First International Symposium on Formal Methods for Components and Objects, FMCO 2002, held in Leiden, The Netherlands, in November 2002. The 21 revised lectures by leading researchers present a comprehensive account of the potential of formal methods applied to complex software systems such

Read Online From Object Orientation To Formal Methods

as components and object systems. The book makes a unique contribution to bridging the gap between theory and practice in software engineering.

This book constitutes the thoroughly refereed workshop proceedings of the 7th International Workshop on Structured Object-Oriented Formal Language and Method, SOFL+MSVL 2017, held in Xi'an, China, in November 2017. The 13 revised full papers included in the volume were carefully reviewed and selected from 21 submissions. They are organized in the following topical sections: animation and prototyping; graph theory; model checking; modeling and specification; and verification

Read Online From Object Orientation To Formal Methods

and validation.

This book presents the thoroughly refereed post-conference proceedings of the International Conference on Formal Verification of Object-Oriented Software, FoVeOOS 2011, held in Turin, Italy, in October 2011 – organised by COST Action IC0701. The 10 revised full papers presented together with 5 invited talks were carefully reviewed and selected from 19 submissions. Formal software verification has outgrown the area of academic case studies, and industry is showing serious interest. The logical next goal is the verification of industrial software products. Most programming

Read Online From Object Orientation To Formal Methods

languages used in industrial practice are object-oriented, e.g. Java, C++, or C#. FoVeOOS 2011 aimed to foster collaboration and interactions among researchers in this area.

[6th IFIP WG 6.1 International Conference, FMOODS 2003, Paris, France, November 19-21, 2003, Proceedings](#)
[Second International Workshop, SOFL 2012, Kyoto, Japan, November 13, 2012. Revised Selected Papers](#)
[Formal Methods for Components and Objects](#)
[Integrating Informal and Formal Approaches to Object-oriented Analysis and Design](#)
[4th International Conference on Formal Engineering](#)

Read Online From Object Orientation To Formal Methods

[Methods, ICFEM 2002, Shanghai, China, October 21-25, 2002, Proceedings](#)

[Essays in Memory of Ole-Johan Dahl](#)

[Formal Methods and Object Technology](#)

[Object-Oriented Technology. ECOOP '98 Workshop Reader](#)

[8th International Workshop, SOFL+MSVL 2018, Gold Coast, QLD, Australia, November 16, 2018, Revised Selected Papers](#)

[Formal Methods for Open Object-Based Distributed Systems](#)

This book presents the leading edge in several

Read Online From Object Orientation To Formal Methods

related fields, specifically object orientated programming, open distributed systems and formal methods for object oriented systems. With increased support within industry regarding these areas, this book captures the most up-to-date information on the subject. Many topics are discussed, including the following important areas: object oriented design and programming; formal specification of distributed systems; open distributed platforms; types, interfaces and behaviour; formalisation of object oriented methods.

Read Online From Object Orientation To Formal Methods

Formal methods have been applied successfully to the verification of medium-sized programs in protocol and hardware design. However, their application to more complex systems, resulting from the object-oriented and the more recent component-based software engineering paradigms, requires further development of specification and verification techniques supporting the concepts of reusability and modifiability. This book presents revised tutorial lectures given by invited speakers at the Second International Symposium on Formal Methods for

Read Online From Object Orientation To Formal Methods

Components and Objects, FMCO 2003, held in Leiden, The Netherlands, in November 2003. The 17 revised lectures by leading researchers present a comprehensive account of the potential of formal methods applied to large and complex software systems such as component-based systems and object systems. The book makes a unique contribution to bridging the gap between theory and practice in software engineering.

This book presents the thoroughly refereed post-conference proceedings of the International Conference on Formal Verification of Object-

Read Online From Object Orientation To Formal Methods

Oriented Software, FoVeOOS 2010, held in Paris, France, in June 2010 - organised by COST Action IC0701. The 11 revised full papers presented together with 2 invited talks were carefully reviewed and selected from 21 submissions. Formal software verification has outgrown the area of academic case studies, and industry is showing serious interest. The logical next goal is the verification of industrial software products. Most programming languages used in industrial practice are object-oriented, e.g. Java, C++, or C#. FoVeOOS 2010 aimed to foster collaboration and interactions

Read Online From Object Orientation To Formal Methods

among researchers in this area.

This book constitutes the thoroughly refereed post-conference proceedings of the Second International Workshop on Structured Object-Oriented Formal Language, SOFL 2012, held in Kyoto, Japan, in November 2012. The 10 full papers presented were carefully reviewed and selected for inclusion in this book and address the following topics of interest: testing and tools; tools for specification; model checking; and application and prototyping.

Both object orientation and parallelism are modern

Read Online From Object Orientation To Formal Methods

programming paradigms which have gained much popularity in the last 10-15 years. Object orientation raises hopes for increased productivity of software generation and maintenance methods. Parallelism can serve to structure a problem but also promises faster program execution. The two areas of computing science in which these paradigms play the most prominent role are programming languages and databases. In programming languages, one can take an academic approach with a primary focus on the generality of the semantics of the language constructs which

Read Online From Object Orientation To Formal Methods

support the respective paradigm. In databases, one is willing to restrict the power of the constructs in the interest of increased efficiency. Inter- and intra-object parallelism have received an increasing amount of attention in the last few years by researchers in the area of object-oriented programming. At first glance, an object is very similar to a process which offers services to other processes and demands services from them. It has, however, transpired that object-oriented concepts cause problems when combined with parallelism. In programming languages, the introduction of

Read Online From Object Orientation To Formal Methods

parallelism and the synchronization constraints it brings with it can get in the way of code reusability. In databases, the combination of object orientation and parallelism requires, for example, a generalization of the transaction model, new approaches to the specification of information systems, an implementation model of object communication, and the design of an overall system architecture. There has been insufficient communication between researchers in programming languages and in databases on these issues. Object Orientation with Parallelism and

Read Online From Object Orientation To Formal Methods

Persistence grew out of a Dagstuhl Seminar of the same title in April 1995 whose goal it was to put the new research area 'object orientation with parallelism' on an interdisciplinary basis. Object Orientation with Parallelism and Persistence will be of interest to researchers and professionals working in software engineering, programming languages, and database systems.

This volume contains the proceedings of FMOODS 2003, the 6th IFIP WG 6.1 International Conference on Formal Methods for Open Object-Based Distributed Systems. The conference was held in

Read Online From Object Orientation To Formal Methods

Paris, France on November 19–21, 2003. The event was the sixth meeting of this conference series, which is held roughly every year and a half, the earlier events having been held in Paris, Canterbury, Florence, Stanford, and Twente. The goal of the FMOODS series of conferences is to bring together researchers whose work encompasses three important and related fields: – formal methods; – distributed systems; – object-based technology. Such a convergence is representative of recent advances in the field of distributed systems, and provides links between several scientific and technological

Read Online From Object Orientation To Formal Methods

communities, as represented by the conferences FORTE/PSTV, CONCUR, and ECOOP. The objective of FMOODS is to provide an integrated forum for the presentation of research in the above-mentioned fields, and the exchange of ideas and experiences in the topics concerned with the formal methods support for open object-based distributed systems. For the call for papers, aspects of interest of the considered systems included, but were not limited to: formal models; formal techniques for specification, design or analysis; component-based design; verification, testing and validation;

Read Online From Object Orientation To Formal Methods

semantics of programming, coordination, or modeling languages; type systems for programming, coordination or modelling languages; behavioral typing; multiple viewpoint modelling and consistency - tween di?erent models; transformations of models; integration of quality of s- vice requirements into formal models; formal models for security; and appli- tions and experience, carefully described.

[Formal Methods and Object-orientation
International Symposium of Formal Methods
Europe, Newcastle, UK, July 18-22, 2005,](#)

Read Online From Object Orientation To Formal Methods

[Proceedings](#)

[Formal Methods for Distributed Processing](#)

[Formal Object-oriented Language for](#)

[Communicating Systems](#)

[7th International Workshop, SOFL+MSVL 2017,](#)

[Xi'an, China, November 16, 2017, Revised Selected](#)

[Papers](#)

[ZUM '95: The Z Formal Specification Notation](#)

[Object Orientation with Parallelism and Persistence](#)

[IFIP TC6 / WG6.1 Third International Conference on](#)

[Formal Methods for Open Object-Based Distributed](#)

[Systems \(FMOODS\), February 15–18, 1999,](#)

Read Online From Object Orientation To Formal Methods

[Florence, Italy](#)

[Second International Symposium, FMCO 2003,](#)

[Leiden, The Netherlands, November 4-7, 2003.](#)

[Revised Lectures](#)

[Formal Methods and Software Engineering](#)

This book constitutes the thoroughly refereed workshop proceedings of the 8th International Workshop on Structured Object-Oriented Formal Language and Method, SOFL+MSVL 2018, held in Gold Coast, QLD, Australia, in November 2018.

The 11 revised full papers included in the volume were carefully reviewed and selected from 21

Read Online From Object Orientation To Formal Methods

submissions. They are organized in the following topical sections: programming and testing; verification and validation; semantics; and blockchain.

This book constitutes the refereed proceedings of the 4th International Conference on Formal Engineering methods, ICFEM 2002, held in Shanghai, China, in October 2002. The 43 revised full papers and 16 revised short papers presented together with 5 invited contributions were carefully reviewed and selected from a total of 108 submissions. The papers are organized in topical

Read Online From Object Orientation To Formal Methods

sections on component engineering and software architecture, method integration, specification techniques and languages, tools and environments, refinement, applications, validation and verification, UML, and semantics.

After Ole-Johan's retirement at the beginning of the new millennium, some of us had thought and talked about making a "Festschrift" in his honor. When Donald Knuth took the initiative by sending us the first contribution, the process began to roll! In early 2002 an editing group was formed, including Kristen Nygaard, who had known Ole-

Read Online From Object Orientation To Formal Methods

Johan since their student days, and with whom he had developed the Simula language. Then we invited a number of prominent researchers familiar with Ole-Johan to submit contributions for a book honoring Ole-Johan on the occasion of his 70th birthday. Invitees included several members of the IFIP 2.3 working group, a forum that Ole-Johan treasured and enjoyed participating in throughout his career. In spite of the short deadline, the response to the invitations was overwhelmingly positive. The original idea was to complete the book rather quickly to make it a gift

Read Online From Object Orientation To Formal Methods

he could read and enjoy, because by then he had had cancer for three years, and his health was gradually deteriorating. Kristen had been regularly visiting Ole-Johan, who was in the hospital at that time, and they were working on their Turing award speech. Ole-Johan was gratified to hear about the contributions to this book, but modestly expressed the feeling that there was no special need to undertake a book project on his behalf. Peacefully accepting his destiny, Ole-Johan died on June 29, 2002.

The focus in development methodologies of large

Read Online From Object Orientation To Formal Methods

and complex software systems has switched in the last two decades from functional issues to structural issues; this holds for both the object-oriented and the more recent component-based software engineering paradigms. Formal methods have been applied successfully to the verification of medium-sized programs in protocol and hardware design for quite a long time. However, their application to the development of large systems requires more emphasis on specification, modeling and validation techniques supporting the concepts of reusability and modifiability, and their

Read Online From Object Orientation To Formal Methods

implementation in new extensions of existing programming languages like Java. This state-of-the-art survey presents the outcome of the 9th Symposium on Formal Methods for Components and Objects, held in Graz, Austria, in November/December 2010. The volume contains 20 revised contributions submitted after the symposium by speakers from each of the following European IST projects: the FP7-IST project AVANTSSAR on automated validation of trust and security of service-oriented architectures; the FP7-IST project DEPLOY on industrial deployment

Read Online From Object Orientation To Formal Methods

of advanced system engineering methods for high productivity and dependability; the ESF-COST Action IC0701 on formal verification of object-oriented software; the FP7-IST project HATS on highly adaptable and trustworthy software using formal models; the FP7-SST project INESS on an integrated European railway signalling system; the FP7-IST project MADES on a model-driven approach to improve the current practice in the development of embedded systems; the FP7-IST project MOGENTES on model-based generation of tests for dependable embedded systems; as well as

Read Online From Object Orientation To Formal Methods

the FP7-IST project MULTIFORM on integrated multi-formalism tool support for the design of networked embedded control systems.

Object-Z is an object-oriented extension of the formal specification language Z. It adds to Z notions of classes and objects, and inheritance and polymorphism. By extending Z's semantic basis, it enables the specification of systems as collections of independent objects in which self and mutual referencing are possible. The Object-Z Specification Language presents a comprehensive description of Object-Z including discussions of

Read Online From Object Orientation To Formal Methods

semantic issues, definitions of all language constructs, type rules and other rules of usage, specification guidelines, and a full concrete syntax. It will enable you to confidently construct Object-Z specifications and is intended as a reference manual to keep by your side as you use and learn to use Object-Z. The Object-Z Specification Language is suitable as a textbook or as a secondary text for a graduate-level course, and as a reference for researchers and practitioners in industry.

Formal methods have been applied successfully to

Read Online From Object Orientation To Formal Methods

the verification of medium-sized programs in protocol and hardware design. However, their application to the development of large systems requires more emphasis on specification, modelling and validation techniques supporting the concepts of reusability and modifiability, and their implementation in new extensions of existing programming languages. This book presents revised tutorial lectures given by invited speakers at the Third International Symposium on Formal Methods for Components and Objects, FMCO 2004, held in Leiden, The Netherlands, in

Read Online From Object Orientation To Formal Methods

November 2004. The 14 revised lectures by leading researchers present a comprehensive account of the potential of formal methods applied to large and complex software systems such as component-based systems and object systems. The book provides an unique combination of ideas on software engineering and formal methods that reflect the expanding body of knowledge on modern software systems.

[10th IFIP WG 6.1 International Conference, FMOODS 2008, Oslo, Norway, June 4-6, 2008 Proceedings](#)

Read Online From Object Orientation To Formal Methods

[From Object-Orientation to Formal Methods](#)
[The Object-Z Specification Language](#)
[9th International Workshop, SOFL+MSVL 2019,](#)
[Shenzhen, China, November 5, 2019, Revised](#)
[Selected Papers](#)
[9th International Symposium, FMCO 2010, Graz,](#)
[Austria, November 29 - December 1, 2010](#)
[First International Symposium, FMCO 2002,](#)
[Leiden, The Netherlands, November 5-8, 2002,](#)
[Revised Lectures](#)
[Structured Object-Oriented Formal Language and](#)
[Method](#)

Read Online From Object Orientation To Formal Methods

[Formal Verification of Object-Oriented Software](#)
[Object Orientation and Formal Techniques](#)
[9th International Conference of Z Users, Limerick, Ireland, September 7 - 9, 1995. Proceedings](#)

Formal software specification has long been touted as a way to increase the quality and reliability of software; however, it remains an intricate, manually intensive activity. An alternative to using formal specifications is to use graphically-based, semi-formal specifications such as those used in many

Read Online From Object Orientation To Formal Methods

object-oriented specification methodologies. While semi-formal specifications are generally easier to develop and understand, they lack the rigor and precision of formal specification techniques. The basic premise of this investigation is that formal software specifications can be constructed using correctness preserving transformations from graphically-based object-oriented representations. In this investigation, object-oriented specifications defined using Rumbaugh's

Read Online From Object Orientation To Formal Methods

Object Modeling Technique (OMT) were translated into algebraic specifications. To ensure the correct translation of graphically-based OMT specifications into their algebraic counterparts, a formal semantics for interpreting OMT specifications was derived and an algebraic model of object-orientation was developed. This model defines how object-oriented concepts are represented algebraically using an object-oriented algebraic specification language O-SLANG. O-SLANG combines basic algebraic

Read Online From Object Orientation To Formal Methods

specification constructs with category theory operations to capture internal object class structure as well as relationships between classes. Next, formal transformations from OMT specifications to O-SLANG specifications were defined and the feasibility of automating these transformations was demonstrated by the development of a proof-of-concept system.

Rationale Software engineering aims to develop software by using approaches which enable large and complex program suites

Read Online From Object Orientation To Formal Methods

to be developed in a systematic way. However, it is well known that it is difficult to obtain the level of assurance of correctness required for safety critical software using old fashioned programming techniques. The level of safety required becomes particularly high in software which is to function without a break for long periods of time, since the software cannot be restarted and errors can accumulate. Consequently programming for mission critical systems, for example, needs to address the requirements of

Read Online From Object Orientation To Formal Methods

correctness with particular care. In the search for techniques for making software cheaper and more reliable, two important but largely independent influences have been visible in recent years. These are:

- *Object Technology*
- *Formal Methods*

First, it has become evident that objects are, and will remain an important concept in software. Experimental languages of the 1970's introduced various concepts of package, cluster, module, etc. giving concrete expression to the importance of modularity and encapsulation, the

Read Online From Object Orientation To Formal Methods

construction of software components hiding their state representations and algorithmic mechanisms from users, exporting only those features (mainly the procedure calling mechanisms) which were needed in order to use the objects. This gives the software components a level of abstraction, separating the view of what a module does for the system from the details of how it does them.

Formal Object-Oriented Development provides a comprehensive overview of the use of formal object-oriented methods; it

Read Online From Object Orientation To Formal Methods

covers how and where they should be introduced into the development process, how they can be introduced selectively for critical parts of an application, and how to incorporate them effectively into existing developmental practices. The text is extensively illustrated, both with tutorial and self-assessment exercises and with examples of industrial applications from the reactive systems domain. This book will be of interest to academic and industrial researchers, software engineering practitioners and

Read Online From Object Orientation To Formal Methods

consultants, and will also provide invaluable reading material for students learning Z++ and VDM++.

A 2002 collection of comprehensive surveys by leading researchers that introduces and compares the major specification notations and modelling techniques.

This book constitutes the refereed proceedings of the 10th IFIP WG 6.1 International Conference on Formal Methods for Open Object-Based Distributed Systems, FMOODS 2008, held in Oslo, Norway, in June 2008. The 14 revised full papers presented

Read Online From Object Orientation To Formal Methods

together with 1 invited lecture were carefully reviewed and selected from 35 submissions. The papers cover topics such as semantics of object-oriented programming; formal techniques for specification, analysis, and refinement; model checking; theorem proving and deductive verification; type systems and behavioral typing; formal methods for service-oriented computing; integration of quality of service requirements into formal models; formal approaches to component-based design; and applications

Read Online From Object Orientation To Formal Methods

of formal methods.

[FM 2005: Formal Methods](#)

[10th International Workshop, SOFL+MSVL
2020, Singapore, March 1, 2021, Revised
Selected Papers](#)

[International Conference, FoVeOO 2011,
Turin, Italy, October 5-7, 2011, Revised
Selected Papers](#)

[A Survey of Object-Oriented Approaches
Formal Methods for Open Object-based
Distributed Systems](#)

[Design and Rigorous Prototyping of Object-
Oriented Modeling with Syntropy](#)

Read Online From Object Orientation To Formal Methods

[ECOOP'98 Workshop, Demos, and Posters
Brussels, Belgium, July 20-24, 1998
Proceedings](#)