Record Nr. UNINA9910299252403321 Correct Software in Web Applications and Web Services / / edited by **Titolo** Bernhard Thalheim, Klaus-Dieter Schewe, Andreas Prinz, Bruno Buchberger Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa **ISBN** 3-319-17112-7 Edizione [1st ed. 2015.] Descrizione fisica 1 online resource (345 p.) Collana Texts & Monographs in Symbolic Computation, A Series of the Research Institute for Symbolic Computation, Johannes Kepler University, Linz, Austria, , 0943-853X Disciplina 004 004.0151 005.1 518.1 Soggetti Software engineering Computer science—Mathematics Computer science - Mathematics Algorithms Software Engineering/Programming and Operating Systems Mathematical Applications in Computer Science Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references. Nota di bibliografia Nota di contenuto Formal modelling and verification of transactional web services composition. A refinement and proof approach with Event-B.-Towards a Model of Services based on Co-creation, Abstraction and Rights Distribution -- Integrating a Model-Driven Approach and Formal Verification for the Development of Secure Service Applications -- A Formal Model of Client-Cloud Interaction -- W\*H: The Conceptual Model for Services -- Monitoring of Client-Cloud Interaction -- Formal Reliability Models for Web Services -- What Constitutes a Service on the Web? -- Co-Design of Web Information Systems. The papers in this volume aim at obtaining a common understanding of Sommario/riassunto the challenging research questions in web applications comprising web

information systems, web services, and web interoperability; obtaining a common understanding of verification needs in web applications; achieving a common understanding of the available rigorous approaches to system development, and the cases in which they have succeeded; identifying how rigorous software engineering methods can be exploited to develop suitable web applications; and at developing a European-scale research agenda combining theory, methods and tools that would lead to suitable web applications with the potential to implement systems for computation in the public domain.