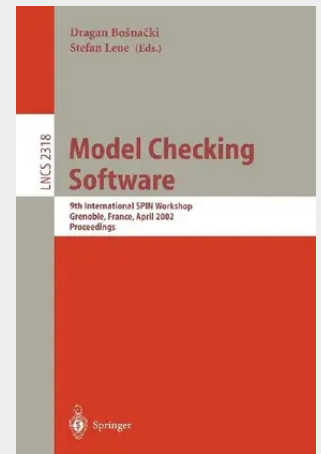


Model Checking Software

9th International SPIN Workshop Grenoble, France, April 11-13, 2002 Proceedings

The SPIN workshop series brings together researchers and practitioners interested in explicit state model checking technology as it is applied to the verification of software systems. Since 1995, when the SPIN workshop series was instigated, SPIN workshops have been held on an annual basis at Montréal (1995), New Brunswick (1996), Enschede (1997), Paris (1998), Trento (1999), Toulouse (1999), Stanford (2000), and Toronto (2001). While the first SPIN workshop was a stand-alone event, later workshops have been organized as more or less closely related events with larger conferences, in particular with CAV (1996), TACAS (1997), FORTE/PSTV (1998), FLOC (1999), World Congress on Formal Methods (1999), FMOODS (2000), and ICSE (2001). This year, SPIN 2002 was held as a satellite event of ETAPS 2002, the European Joint Conferences on Theory and Practice of Software. The co-location of SPIN workshops with conferences has proven to be very successful and has helped to disseminate SPIN model checking technology to wider audiences. Since 1999, the proceedings of the SPIN workshops have appeared in Springer-Verlag's "Lecture Notes in Computer Science" series. The history of successful SPIN workshops is evidence for the maturing of model checking technology, not only in the hardware domain, but increasingly also in the software area. While in earlier years algorithms and tool development around the SPIN model checker were the focus of this workshop series, the scope has recently widened to include more general approaches to software model checking. Current research in this area concentrates not so much on completely verifying system models, but rather on analyzing source code in order to discover software faults.

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53,49 €

49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540434771
Medium: Buch
ISBN: 978-3-540-43477-1
Verlag: Springer
Erscheinungstermin: 27.03.2002
Sprache(n): Englisch
Auflage: 2002
Serie: Lecture Notes in Computer Science
Produktform: Kartoniert
Gewicht: 423 g
Seiten: 262
Format (B x H): 155 x 235 mm

