DESCRIPTION

This unique guide book explains and teaches the concept of trustworthy compilers based on 50+ years of worldwide experience in the area of compilers, and on the author’s own 30+ years of expertise in development and teaching compilers. It covers the key topics related to compiler development as well as compiling methods not thoroughly covered in other books. The book also reveals many state-of-the-art compiler development tools and personal experience of their use in research projects by the author and his team. Software engineers of commercial companies and undergraduate/graduate students will benefit from this guide.

ABOUT THE AUTHOR

VLADIMIR O. SAFONOV is one of the leading specialists in computer science and software engineering in Russia. He is a Professor of Computer Science at St. Petersburg University and the head of the Java Technology Laboratory at the university. In 2000 and 2001, students of his department won the world championship for the ACM programming contest. Professor Safonov holds four U.S. software patents, four Russian software patents, and has published 120 papers and six books. He is the author of Using Aspect-Oriented Programming for Trustworthy Software Development (Wiley). He is the chair of the IEEE Region 8 Russia North-West Computer Society/Technology Management Council Joint Chapter. He was also a Microsoft Research 2005/2006 RFP winner for TWC and Secure Software Development.
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