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DAVID WEISS has a B.S. in math from Union College, and an M.S. and Ph.D. in computer science from the University of Maryland. He is currently the head of the Software Technology Research Department at Avaya Laboratories, and he is looking into the problem of how to improve the effectiveness of software development in general and of Avaya’s software development processes in particular. In this latter capacity, he heads the Avaya Resource Center for Software Technology. Previously he was the director of the Software Production Research Department at Lucent Technologies Bell Laboratories, which conducted research on how to improve the effectiveness of software development. Before joining Bell Labs, he was director of the Reuse and Measurement Department of the Software Productivity Consortium (SPC), a consortium of 14 large U.S. aerospace companies. Prior to joining SPC, Dr. Weiss spent a year at the Office of Technology Assessment, where he was coauthor of a technology assessment of the Strategic Defense Initiative. During the 1985–1986 academic year he was a visiting scholar at the Wang Institute, and for many years he was a researcher at the Computer Science and Systems Branch of the Naval Research Laboratory (NRL) in Washington D.C. He has also worked as a programmer and as a mathematician. Dave’s principal research interests are in the area of software engineering, particularly in software development processes and methodologies, software design, and software measurement. He is best known for his invention of the goal-question-metric approach to software measurement, his work on the modular structure of software systems, and his work in software product-line engineering as a coinventor of the Synthesis process and its successor, the FAST process. He is coauthor and coeditor of two books: *Software Product-Line Engineering* and *Software Fundamentals: Collected Papers of David L. Parnas* (both Addison-Wesley Professional).