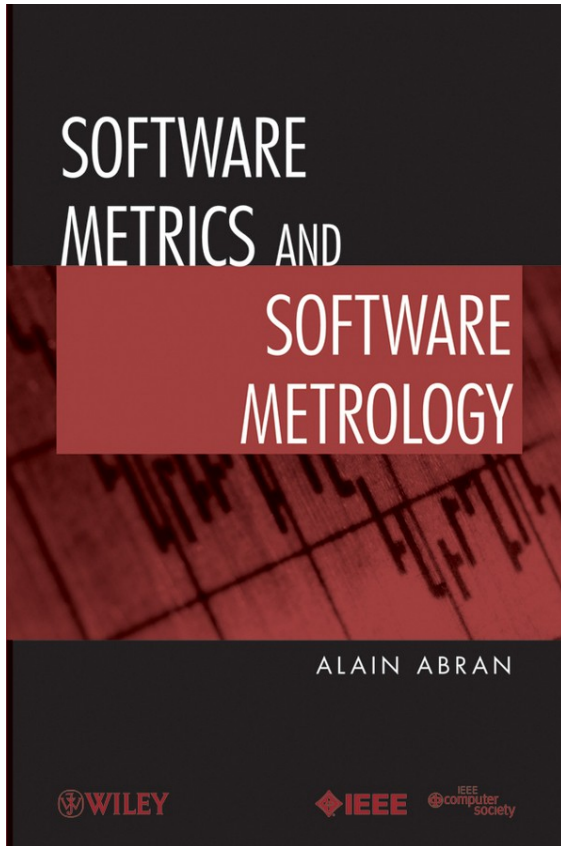


A Rigorous, Step-by-Step Approach to Evaluating and Designing Software Measures



Hundreds of software measures have been proposed to the industry over the past forty years, but limitations in their design mean that most of them are of insufficient use to practitioners. So how can practitioners recognize which measures are sound and useful for decision-making? Moreover, for those who have to design new software measures, what must they do to build sound ones?

Software Metrics and Software Metrology looks at the fundamentals of the design of a measurement method, which forms the foundation of the measures available in the sciences and in engineering. Alain Abran provides a step-by-step approach to both analyzing the design of current software measures and designing new, robust software measures for a specific business or engineering need. He draws upon years of experience to ensure that software engineers and managers will apply the best practices in software measurement—and therefore be equipped to respond to the most demanding customers and feel supported by senior executives.

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ABOUT THE AUTHOR

Dr. Alain Abran is a Professor and the Director of the Software Engineering Research Laboratory at Université du Québec (Canada). Dr. Abran is the co-executive editor of the Guide to the Software Engineering Body of Knowledge (SWEBOK) project. He has also been actively involved in software engineering standardization as the international secretary for ISO/IEC JTC1 SC7 - Software and System Engineering. He is also Co-chair of the Common Software Measurement International Consortium. Dr. Abran has close to 20 years of industry experience in information systems development and software engineering. He holds a Ph.D. in Electrical and Computer Engineering from École Polytechnique de Montréal and master degrees in Management Sciences and EE from University of Ottawa.

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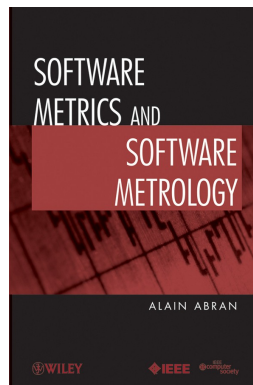
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