



# A Practical Guide to SysML: The Systems Modeling Language

*By Sanford Friedenthal, Alan Moore, Rick Steiner*

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Systems engineers must understand how all the parts of a digital system work together, including hardware AND software. SysML is the first design language to cover both hardware and software, allowing engineers to consider how all the parts of a system will successfully interact, from the very beginning of a project. This can prevent huge problems and delays down the line. Therefore, SysML use is becoming a widespread phenomenon, and many companies, especially in the defense, automotive, aerospace, medical device and telecommunications industries, are already using SysML, or are planning to switch over in the near future.

Until now, little consolidated information has been available on the market regarding SysML. However, this book changes all that! It provides the hundreds of thousands of new users with a comprehensive guide to SysML, including a full description of the language itself, detailed instructions on how to implement it, exercises to help readers gain practical experience working with SysML, and extensive, real-world examples of actual successful projects, demonstrating all the benefits SysML can provide.

\*The authoritative guide for understanding and applying SysML

\*Authored by the foremost experts on the language

\*Language description, examples, and quick reference guide included

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