

Each chapter contains many examples, and Parts 1 and 2 include a collection of exercises.

The text is complemented by a *Glossary* which collects the definition of key terms, showing how they are based on everyday notions, and how they relate to each other.

## 1.7 Footnotes and References

- 1 Independent on Sunday, 3.12.95.
- 2 Kuhn, T S: "The structure of scientific revolutions". University of Chicago Press, 1970.

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paradigm

a set of scientific and metaphysical beliefs that make up a framework within which scientific theories can be tested, evaluated, and if necessary revised

Cambridge Dictionary of Philosophy, Ed. R Audi, Camb Univ Press, 1999

- 4 See e.g. the draft standard ISO/FDIS 9001:2000.
- 5 Interdisciplinary – involving two or more academic disciplines.  
Multidisciplinary – of, or relating to, the study of one study involving several subject disciplines. Source: Collins English Dictionary, 1992
- 6 We quote from the SE Handbook, version 1, INCOSE 1998. The handbook refers specifically to systems engineers, but the ideas apply to all members of the systems constituency.

"It is essential to advancement of the field of systems engineering that common definitions and understandings be established regarding general methods and terminology. As more systems engineers accept and use a common terminology, we will experience improvements in communications, understanding, and ultimately, productivity."

"In many well-established industries there is historical precedent and good reason not to change terminology. This is certainly acceptable. What is not acceptable is an undefined or inconsistent system terminology. The good systems engineer will ensure that an acceptable terminology is established very early in the program and communicated to all."