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Submission of expository papers on applied topics to *Quality Engineering* is strongly encouraged.

The papers could be titled "What Quality Engineers Need to Know about \_\_\_\_\_"

These should be clearly written papers with a minimal amount of mathematics. They would be treated as regular submissions.

It should be assumed by the authors that readers understand basic statistical methods and statistical quality control tools, including some background in designed experimentation. The targeted audience could be, for example, those with the knowledge expected of Six Sigma black belts.

Topics could be related to the following:

- 1) Digital twins
- 2) Additive manufacturing
- processes
- 3) Online testing methods
- 4) Internet of things in manufacturing
- 5) Machine learning methods
- 6) Computer experiments
- 7) Neural networks/Deep learning
- 8) Sensor network data applications
- 9) Recent developments in designed experimentation

10) Recent developments in reliability engineering
11) Recent developments in statistical process monitoring
12) New topics in specific application areas such as health care, financial services, entertainment, and education.

- 13) Smart/intelligent manufacturing
- 14) Use of generative AI
- 15) Quality by Design (QbD)
- 15) Older methods and ideas that need greater exposure

The papers should address questions such as the following about the methods:

- 1) What are they?
- 2) Who uses them?
- 3) What are the benefits?
- 4) How do they work?

5) What are some examples of practical applications?

6) What are the challenges?

7) What is their relationship with statistics and, broadly defined, quality?

8) What are some accessible, understandable references that contain further information?

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