An Overview of Software Verification and Validation

Tues July 27, 2021

7:30 – 9:00 PM EDT

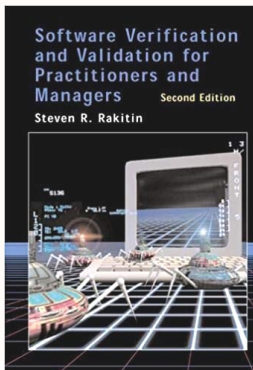**A FREE Virtual Event
Registration Required**

Steven Rakitin
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Steven R. Rakitin has over 40 years experience as a software engineer including over 30 years in the medical device industry and several years in the nuclear power industry. He has worked with over 100 medical device manufacturers and biotech companies worldwide, from startups to Fortune 100 corporations. He has published papers on medical device software risk management as well as a book entitled *Software Verification & Validation for Practitioners and Managers, Second Edition.*

Mr. Rakitin received a BSEE from Northeastern University and an MSCS from Rensselaer Polytechnic Institute. He earned certifications from the American Society for Quality (ASQ) as a Software Quality Engineer (CSQE) and Quality Auditor (CQA). He is a Senior Life member of IEEE.

Presentation Abstract. Within the software development industry, there are often wide differences in the application and effectiveness of these software verification & validation techniques. These techniques are most effective when used in conjunction with a more structured and formal software development methodology. This presentation will provide:

- Context for Verification and Validation
- Standards and Terminology
- Overview of Verification Techniques
- Overview of Validation Techniques

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