Panel: How Should Software Reliability Engineering Be Taught?

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Purpose

The purpose of the panel is to provide an open exchange of how software reliability engineering is taught in universities and professional courses and how practitioners think it should be taught. Through the panel, educators can learn more about what other educators teach, how they teach it, and what resources they have to share. Practitioners (both panelists and audience) can provide insight into what they feel should be taught based upon practical application of software reliability concepts for product development.

1. Panelists

Moderator: Michael Lyu, Professor, The Chinese University of Hong Kong

Panelists:
- Mario Garzia, Director, Windows Reliability, Microsoft Corporation
- John Musa, SRE Author and Consultant
- Carol Smidts, Associate Professor of Reliability Engineering, University of Maryland
- Will Snipes, Software Dependability Design Technical Leader, Nortel Networks
- Laurie Williams, Assistant Professor, North Carolina State University

2. Key Questions

- How do you persuade people to use SRE?
- How should you handle cultural differences of different audiences or in the same audience?
- What are the most frequent questions and challenges from the audience?
- How should you motivate the novice and comfort the skeptics?

3. Position Statements

Position statement by panelists appear on the following five pages of the proceedings.