Abstract

The introduction of some new practices into software organizations can be trying, arduous tasks. Software Reliability is a practice that fits in this category. A well thought out strategy needs to be used to successfully and rapidly install Software Reliability Engineering (SRE) in a software organization. The successful practitioner must be prepared to sell SRE, retain consultants, train project personnel, demonstrate its effectiveness, provide measurements of the results, and advertise them.

This panel, composed of four members with practical industry experience, will examine all of these areas as it explores the question: "What are the steps for bringing SRE into my organization or company?"

1. Introduction

The panel will explore the questions:
- What are the steps for bringing SRE into my organization or company?
- How do I develop awareness of SRE among staff?
- How do my staff and I develop the requisite skills to effectively use SRE?
- How do I integrate SRE into the way we do business?
- Is there a optimal sequence of steps to follow?

2. Deployment Strategies

The panel will explore each of the following options for deploying SRE in your organization and educating champions:
- Contract a consultant to do it all
- Custom Jump Start (consultant works with only your project)
- Group Jump Start (consultant educates many projects at once)
- Attend Course with Workshop (exercise included)
- Attend Course (lecture only)
- Self-Teaching (obtain and read books and articles)