

**Title**

## **Augmented Reality Testing - future technology at our help?**

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**Speaker(s)**

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**To whom is the presentation addressed?**

Test Engineers, Test Managers.

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**Keywords**

Augment Reality, Virtual test support, New testing behaviours, Future test applications, Walkthrough scenario of a future test environment

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**Abstract**

Inspirational talk about what augment reality is and how it can be used to inform, guide, educate, train and support testing in a future test environment.

Augment Reality (AR) can be used to enhance testing by inserting an additional dimension into the testers field of view. For example, virtual labels can be displayed on parts of a system to clarify test operating instructions for a tester who is performing tests on a complex system.

Pitfalls and benefits will be described that needs to be considered when using augment reality for testing. Walkthrough scenario outlining pitfalls and benefits of using augment reality in a future test environment will be shown.

Presentation is divided into following sections:

1. Brief introduction of (AR)
2. Look at how we test today in a life critical test environment and what's missing and how (AR) can help to fill those gaps.
3. Discussion where (AR) can be of help in future test environment such as:

- Informational, tester can point at a physical object and get detailed updated technical data and information needed to perform selected test task.

- Guidance, minimizing risk of misunderstanding complex test procedures can be done by virtually describing test steps in front of the tester on the actual test object.

- Educational, background information about test scenario with earlier bugs found pointed out on the test object and reminders to avoid repeating previous misstakes made during testing of selected test area.

- Training, junior testers can learn complex test scenarios with less supervision. Test steps will be pointed out and information about pass criteria need to be confirmed the junior tester can train before the functionality is finished and do some regression testing.

- Support, assembling and deassembling test object can be learned out and practice scenarios can

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be run through to learn how to fix fault scenarios that may occur.

4. Videos, some examples of what have been done today with (AR) in other areas.

5. Questions, audience welcome to ask questions and share thoughts.

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## Biography

Alexander Andelkovic has fourteen years of professional experience in the software industry. He currently works as a test engineer at Maquet Critical Care in Stockholm, Solna (Sweden). An exploratory tester, Alexander is the driving force for implementing session-based test management and an ambassador for managed exploratory testing. Prior to his current role, Alexander worked as a test leader in the Mobile Internet Business Unit at Microsoft for five years. He presented last year at Star-East 2009 a presentation titled Exploratory Session-Based Testing...With a Twist.

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