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**Title of the presentation /Tutorial**

**Improve Software Development Processes Using Kaizen**

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**Speaker(s)**

Irina Secuiu, Software Quality Manager, Freescale Semiconductor

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**Category**

- Getting Started       Intermediate       High Maturity  
 Presentation       Tutorial
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**Target Audience**

- Senior Management       IT Managers  
 Project Leaders       SEPG Leaders  
 Practitioners       Others:
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**Key Words**

Continuous Process Improvement, Kaizen, SixSigma

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**Abstract (maximum 250 Words)**

This paper introduces the experience of our software development organization in applying Japanese concept of “continuous improvement” in the form of Kaizen.

While the European community is used to think process improvement from SEI CMMI perspective, an interesting complementary approach may be taken, inspired from Japanese culture for quality. Although the concept was born in manufacturing industry, it may be successfully applied to software development.

We'll present the similarities and differences between Kaizen and Six Sigma and the relationship between Kaizen and CMMI model for process improvement.

We'll share concrete experience and results, structured on the necessary steps to implement such an approach, from problem identification, setting objective and improvement goal, planning, preparing, developing and closing the event. We'll provide examples of problems that we solved using this approach.

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**CV (200 words)**

**Irina Secuiu** is Software Quality Manager with Freescale Semiconductor. With ten years experience as a software engineer in embedded systems and large scale applications, she is focused for the last five years on improving the quality of all aspects of the software development lifecycle.

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**Photo**

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She is a certified ISO 9000 auditor and has experience implementing SEI CMMI processes both at local and global levels. She is currently focusing on Lean SixSigma methodologies applied to software development. Irina is currently leading the global Engineering Process Group, driving process improvement activities, and coordinates ISO 9000 internal audits program and the internal auditors group in a significant organizational division, with +200 software development engineers worldwide.

She also is involved in implementing organizational measurement system within this division, in collaboration with corporate efforts in this direction.

She has enjoyed addressing local and foreign audiences on topics such as process improvement and team coordination.

Irina graduated from the Politehnica University of Bucharest, System Control and Computer Science, with a master degree in Electrical Engineering.

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#### **Contact Data**

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