

SPIN London

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22nd November 2010 | 5.30PM - 8.00PM

Program: Panel | Networking Dinner | Raffle

Venue: Balls Brothers Minster Court, Mincing Lane, London EC3R 7PP

The Role of Application Analytics in Software Engineering's Fourth Wave

By: Dr Bill Curtis (SVP & Chief Scientist: Cast Software)

Software Engineering's Third Wave was the process movement that made substantial improvements in software delivery capability over the past two decades. Building on top of this process base, the Fourth Wave is about improvements in the product, much in the same way that Design for Six Sigma focused on product improvements to build on top of the process improvements made by Six Sigma. This talk will focus on one contributor to the Fourth Wave, application analytics--the ability to use detailed data on the structural quality of an IT application to improve its non-functional quality. This talk will present the results of a state-of-the-industry analysis of on IT application quality recently completed with colleagues at CAST. It will review the results of analyzing violations of good coding and architectural practice for 288 business applications from 75 companies comprised of 108 million lines of code.



Answers will be provided for the following questions.

1. How does the size of an application affect its quality?
2. Which software technology scores highest on security?
3. Which industry segment scores lowest on changeability?
4. How much Technical Debt in Pounds remains in the average business application?
5. What are the most frequently violated rules of good coding and architectural practice?

For anyone involved in quality and process improvement Bills' talks are not to be missed.



Dr. Bill Curtis is Senior Vice President and Chief Scientist with Cast Software, a leader in providing technology for measuring and evaluating application system quality.

He is a globally recognized expert in software process and quality who co-authored the Capability Maturity Model (CMM), the People Capability Maturity Model, and the Business Process Maturity Model. The CMM and its successor, CMMI, have become the world's leading standards for evaluating the capability of a software development organization.

He has published four books, over 150 articles, and is on the editorial boards of several journals. Dr. Curtis was recently elected a Fellow of the Institute of Electrical and Electronics Engineers for his contributions to software process improvement and measurement.

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