

# Department of Mathematics, Statistics and Computer Science



St. Francis Xavier University



presents

## *Software Development at IBM Ottawa* and *Enterprise tends and how to deliver on their promise* by

**Tanya Ruppell, Software Developer, IBM**



and



**Greg Adams, Engineer, IBM**

**Monday, January 29<sup>th</sup>, 2007 @ 2:15pm in Black Doors, Morrison Hall**

### ***SOFTWARE DEVELOPMENT AT IBM OTTAWA***

This presentation is divided into 3 parts:

1) An overview of IBM Ottawa. A bit about IBM global, the history of the lab, the products that are developed here today, and what makes the Ottawa lab special.

2) An introduction to WID

WebSphere Integration Developer is part of IBM's SOA offering. It provides tools, in the form of graphical editors, used to author the applications that control business processes. These processes may include flow charts, state machines, business rules, connections to external systems such as databases or web services and tasks that require human completion.

3) A discussion about the relationship between development and testing in a production environment. Software development work and software testing work are not all that different. Any good development process has testing as an integral part, and something that occurs at every stage of the process - not as an afterthought tacked on at the end of development to be performed by a separate team. The responsibilities of a software tester run far beyond following a test plan to go step by step through the product - test automation is software development.

#### **About the Speaker**

Tanya Ruppell received a BA in Mathematics and Computer Science from St. FX University in 1995 and an MSc in Computer Science from University of Toronto in 2001. Tanya's professional background is in telecommunications where she has worked on development tools and on various aspects of ATM networking equipment. Tanya joined IBM in July 2006, where she is currently managing a testing team for the WebSphere Integration Developer (WID) product. In this role she is focusing on improving the customer experience of WID and automating quality improvements through testing, code coverage and code analysis.

### ***ENTERPRISE TENDS AND HOW TO DELIVER ON THEIR PROMISE***

This talk describes major efforts underway in industry related to Service Oriented Architecture, Business Integration, and Business Process Management. We'll look at what these topics mean, why enterprises care about them, and the types of problems companies are trying to solve. The talk will discuss the relevant industry standards that are evolving and the benefits and pitfalls of the standards. We'll wrap up by examining how to build agile development teams to deliver on large scale applications - hopefully while having fun.

#### **About the Speaker**

Greg Adams is a Distinguished Engineer with IBM Software Group's Ottawa Lab. Greg joined IBM through its acquisition of Object Technology International, an Ottawa based company. He is currently the development and architecture lead for WebSphere Integration Developer and Message Broker Toolkit. He is a senior member of the Rational Architecture Council which oversees development within the Rational brand of products. Greg led the delivery of IBM's first complete services oriented architecture (SOA) tools stack and the first BPEL4WS standards supporting Business Process Editor; both critical deliverables in support of IBM's On Demand strategy. In his previous roles Greg was a principle architect for Eclipse, WebSphere Application Developer Integration Edition, VisualAge for Java, and VisualAge for Smalltalk. Greg's passion is for the design and delivery of consumable leading edge products.

***Refreshments will be served before the talk.***