Introduction to Requirements Engineering Workshop

One half day workshop presented in conjunction with Requirements and Specification Workshop

In French – Tuesday, June 14, 2011 – 8:30AM – 12:30PM at CRIM, 405, avenue Ogilvy Montreal, QC (www.crim.ca/en/contactez_nous.html)

In English – Wednesday, June 15, 2011 – 8:30AM – 12:30PM at CRIM, 405, avenue Ogilvy Montreal, QC (www.crim.ca/en/contactez_nous.html)

Introduction and Objectives

Requirements Engineering is becoming more and more common as many organization developing systems and software are striving to improve their processes and achieve higher product quality. It is in practice at many organizations but still only mastered by few.

Through this workshop, attendees will come to understand the key role good Requirements Engineering and management play at achieving successful projects. The workshop is intended to help organizations and senior managers trying to understand why they should invest in Requirements Engineering, help engineers and project managers trying to grasp with Requirements are and how Requirements need to be treated to be effective, as well as provide a good understanding of the basic structure of the Requirements Engineering and management Process.

The topics covered in the workshop are as follows:

- Requirements: Key to Project Success, Cause of Project Failure: Which side do you want to be on?
- What is a Requirement?
- What is a good requirement?
- How does one write good Requirements and specifications?
- What should a Requirements Management process look like and what are the key activities (using the CMMI model and ISO/IEC 15288 and 12207 standards)?
- Why/when should I use a Requirements Management tool?
- What are the main features of a Requirements Management Tool that can work to my advantage?
Who should attend this workshop?

Generally all roles in an organization that may be involved in Requirements activities including:

- Engineering and QA Directors/Managers
- Project Managers
- Product Managers
- System Engineers
- Software Engineers
- Hardware Engineers
- Test Engineers
- Quality Assurance
- Systems and Business Analysts
- Procurement/contracts

Relevant industry sectors include defence, aerospace, transportation, telecommunications, public infrastructure, medical devices and health care. Relevant organization types include military, public sector, contractors, product-oriented firms, consultants, and research and development organizations. Attendees who intend to be practitioners are recommended to attend the subsequent half day Workshop entitled “Requirements Definition and Specification” that will take place immediately after this workshop.

Workshop Methods and Materials

The Workshop is delivered in French and English as formal presentations. Also provided are examples and demonstrations of typical requirements processes used in a general project context and in safety related contexts such as Safety Integrity Level (SIL) concept fostered by IEC61508, SAE ARP4754/4761, and RTCA DO-178B/254. Demonstrations will be using IRQA, a leading Requirements Engineering and Management tool from Visure Solutions.

Presenter

Your presenter, Ronald Houde is a senior consultant and Real-Time Software Solutions Inc. business partner. With over 25 years of experience in training, safety and mission critical software and systems engineering, he has successfully guided many organizations deploy highly effective Requirements Engineering processes and Requirements Management tools. Ronald has held positions in Systems and Requirements engineering at Bombardier Aerospace, CAE, Paramax (Lockheed-Martin Systems Canada), and the Canadian Armed Forces. He was also a consultant to many others, including Rolls-Royce Canada, CMC Electronics, Rheinmetall Canada, the Canadian Space Agency, Technologies M4 and Hydro-Québec.

Cost and Registration

Cost for half day Workshop is $495 per attendee plus applicable taxes.
Cost for both Introduction to Requirements Engineering workshop and the Requirements Definition and Specification workshop is $895 per attendee.
For more information and registration please contact Real-Time Software Solutions Inc. at 514-944-0154 or by email at info@realtime-ss.com