

Better C/C++ Source Code with Goanna Static Code Analysis

A free seminar in Adelaide, Canberra and Sydney

Presenter: Dr Ralf Huuck, *NICTA and Red Lizard Software*

Abstract

Software bugs are expensive. It is estimated that millions of professional software developers, spend 25% of their time testing and debugging programs. Goanna combines the technologies of static analysis and model checking creating a unique solution for the improvement of C/C++ source code at development time. The analysis is performed quickly, often in a matter of seconds, does not require test cases or even fully developed code. This talk presents the principles of static analysis in general, and that of Goanna in particular.

We will also demonstrate the Goanna IDE (Integrated Development Environment) plug-ins for Visual Studio and Eclipse. Goanna, developed after four years of research at NICTA, is currently being commercialized by Red Lizard Software and is available at their web site: <http://www.redlizards.com/index1.html>.

Presenter: Dr Ralf Huuck, *NICTA and Red Lizard Software*



Ralf Huuck is a senior researcher and project leader at NICTA. Dr Huuck has been leading the research and development of the underlying Goanna technology at NICTA, for over four years. He has been responsible for transforming a unique idea into a new product.

In his earlier career Dr Huuck completed his PhD at the University of Kiel in the area of Software Technology. Although starting out as a theoretical computer scientist, he has been a vivid proponent of realistic applications and solving problems that matter in the real world and carrying out the idea in several projects funded by the German government and the European Union. Dr Huuck held several visiting researchers appointments in France, Australia, Japan and Hong Kong. He is a published author in more than 30 scientific proceedings, and has been a speaker at dozens of international conferences.

Locations and Dates

Adelaide

Date: Tuesday, 28 July 2009
 Venue: Lecture Theatre
 SPRI Building
 Mawson Lakes Boulevard
 Mawson Lakes SA

Canberra

Date: Wednesday, 29 July 2009
 Venue: Seminar Room
 NICTA CRL
 7 London Circuit
 Canberra City ACT

Sydney

Date: Wednesday, 5 August 2009
 Venue: Bottlebrush Room
 Holiday Inn
 Potts Point NSW

Bookings for this free event are essential

Please RSVP by no later than a week before the event:
 Phone: (08) 8343 8710
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Format of the Seminar

4:00pm Presentation
 5:00pm Refreshments and networking