

Blast Off

Three of Sun's Latest Software Efforts

Cristina Cifuentes and Justin Glen
Friday 12th October at 11 am in N101, CSIT building

This talk is an opportunity for ANU students to hear about "Sun Labs Down Under"; serious industrial research going on in Australia. This is also an opportunity for outstanding senior ANU undergrads and graduate students to find out about **internship opportunities** at Sun.

About the talk:

In this talk we will present three of the latest software efforts within Sun's Software and Research Labs: JavaFX, embedded Solaris and Parfait.

JavaFX is a hot new scripting language that leverages the Java platform's write-once-run-anywhere portability, application security model, ubiquitous distribution and enterprise connectivity. With JavaFX you can build and run interactive content quickly and easily.

Embedded applications are growing increasingly complex. High performance, low power multi-core silicon is emerging and shaping how embedded systems are utilized. The embedded Solaris effort brings to the embedded world a robust and stable kernel that provides real-time kernel performance, virtualized networking, real-time Java, prognostics, POSIX compliance, DTrace, and ZFS, amongst others.

Parfait is a new research project at Sun Labs Down Under that investigates static program analysis techniques for bug and security vulnerability checking, with an aim of applying them in large-scale software such as the Solaris source code.

Internships in these projects are available starting in the summer break, as well as campus ambassador position at ANU.

About the speakers:

Dr. Cristina Cifuentes is a senior researcher at Sun Microsystems Laboratories, Sun Labs, where she has worked in the areas of program analysis, compilation techniques for virtual machines, parallelizing compilers, and binary translation. Prior to joining Sun Labs in 1999, she held academic positions at The University of Queensland and The University of Tasmania, Australia. Cristina obtained a PhD in Computer Science from the Queensland University of Technology in 1994, for her work on decompilation of binary programs. She has served in the Program Committees of conferences in the areas of compilers, virtual machines, program maintenance, program comprehension, and software engineering, and has published in these areas as well as legal aspects of computing. Cristina is an Adjunct Professor at The University of Queensland

Justin Glen is the Sun Australia director for the education and research group, as well as the Sun Queensland branch manager.

For further info, contact Steve Blackburn (N217)