

## Candidate for Member at Large

Cristina Nicole Cifuentes  
Sun Microsystems Laboratories, Brisbane, Australia and California, USA

### **BIOGRAPHY**

#### Academic Background:

Ph.D., Queensland University of Technology, 1994, Computer Science.

#### Professional Experience:

Senior Research Scientist, Sun Microsystems Laboratories, Brisbane, Australia and California, USA, 1999 – Present;

Senior Lecturer, The University of Queensland, Brisbane, Australia, 1996 – 1999;

Lecturer, The University of Tasmania, Hobart, Australia, 1994 – 1996.

#### Professional Interest:

Program analysis; Compilers; Wireless sensors; Binary translation; Decompilation.

#### ACM Activities:

Treasurer, SIGPLAN, 2007 – 2009.

#### Awards Received:

QUT Chancellor's Outstanding Alumnus Award, 2001; Adjunct Professor, The University of Queensland, 2007.

### **STATEMENT**

My career in industry and academia has focused around program transformation of one form or another: from low-level (machine code) to high-level languages (i.e., decompilation), from low-level to low-level (i.e., binary translation) and from high-level to low-level (i.e., compilation), as well as transformations to analyze source code. Program transformation and tools are at the core of projects I have worked on, I would like for the next generation of students to also see value in this area.

During the last two years I have been the treasurer for the SIGPLAN board, this position has allowed me to understand how we can better service and grow our programming languages community. Each new intake of students needs to be in touch with industry developments in order to see the relevance of techniques in our area.

Being based in Australia, I would like to promote the benefits of the SIGPLAN community in new emerging markets in the Asia-Pacific region, as well as have more representation from this part of the world in SIGPLAN conferences and workshops.