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Distinguished Lecturer Series



Prof. David Abramson

Director of the Monash e-Research Centre
Monash University, Australia

e-Science: Are we there yet?

e-Science involves the application of advanced computational methods to other areas of science and technology. It has attracted a good deal of support over the past 10 years, and numerous groups have developed new techniques and software prototypes. Importantly, e-Science requires advanced in both computer science and the application area, making it an ideal driver for computer science research. In this talk, I will explore whether any of this work is actually making a difference. I will discuss our own projects work at the Monash e-Science and Grid Engineering (MeSsAGE) Lab, a computer science research laboratory devoted to new software development techniques that support e-Science applications. I will show how high throughput (aka parallel) scientific workflows have not only contributed to the state of the art in computer science, but are being adopted in research labs at Monash and internationally. In particular, I will highlight case studies in the medical imaging, chemistry and cardiac science.

Prof. Abramson is an ARC Professorial Fellow; Professor of Computer Science in the Faculty of Information Technology at Monash University, Australia, and science director of the Monash e-Research Centre. He is a fellow of the Association for Computing Machinery (ACM) and the Academy of Science and Technological Engineering (ATSE) and a member of the IEEE.

14:00-15:00 on Tuesday, 22 February, 2011—Saal Auditorium, Alon Bldg (37/202)
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