

UniServe

S C I E N C E

Symposium Proceedings

Visualisation and Concept Development

**October 2 & 3, 2008
The University of Sydney**

UniServe Science

UniServe Science aims to enhance the quality of university science education in Australia by collecting, maintaining and disseminating information on up-to-date and innovative teaching. To this end UniServe Science provides support at both an international and national level. Internationally, UniServe Science has published *CAL-laborate*, an international journal, prepared in collaboration with the Higher Education Academy in the United Kingdom since 1997. *CAL-laborate* is available online at <http://science.uniserve.edu.au/pubs/callab/>. This year, we launch *CAL-laborate International*, a refereed journal under the editorship of Professor Roger Lewis, from University of Wollongong. Nationally, UniServe Science conducts an annual conference which focuses on the enhancement of tertiary science teaching and learning.

The annual conference now consists of three components: a Science Discipline Day, held for interested parties to come together and discuss issues of common interest; the First Year Experience Discussion Forum; and the Tertiary Science Teaching Symposium. The First Year Experience Forum concentrates on issues to do with laboratory teaching and whether we can sustain this mode in a climate of reduced resources. Notes from the FYE forums are available online from <http://science.uniserve.edu.au/disc/fye.html>.

The Pearson Education UniServe Science Teaching Award, which is presented at the annual Symposium, recognises teaching that improves student learning outcomes via the innovative and integrated use of information technology.

Papers for the 2008 Symposium, 'UniServe Science Symposium on Visualisation and Concept Development' have been reviewed to meet the Department of Education, Science and Training standard for research conference publications. The full papers were peer reviewed by at least two members of a national review panel that was chaired by Alexandra Hugman, Director, UniServe Science.

The proceedings are distributed nationally and internationally from the Web (<http://science.uniserve.edu.au/pubs/procs/>).

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