



Non-refereed Papers

Oral Presentations

ALIOUS: Active Learning in University Science: Leading Change in Australian Science Teaching

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Abstract: *The ALIOUS project is about leading change in the teaching of chemistry in large university classes. ALIOUS is a collaboration of six Australian universities funded by an ALTC Leadership for Excellence in Learning and Teaching Grant (LE8-818). The aims of this project lie in three domains:*

- *Development of project members as Science Learning Leaders*
- *Development of the skills of project members in practice-based learning and teaching innovation*
- *Creation of a virtual Learning Hub*

Methods being used to achieve these aims are:

- *Leadership- professional development in leadership specifically targeted at fostering change in academic teaching practice*
- *Learning and Teaching Innovation - the U.S. NSF funded POGIL project will be used as a model for teaching innovation. Experienced POGIL instructors and facilitators brought from the U.S. run workshops and consultancies with ALIOUS project members to build member skills in teaching innovation.*
- *The learning hub (<http://www.alius.edu.au/>) will serve as a resource to share experiences in building teaching innovation, developed materials, resources about innovative teaching methods*

This presentation will introduce the ALIOUS project together with results and experiences of the project so far, including:

- *Experiences in implementing new teaching practices*
- *Experiences in motivating changes in teaching practice of colleagues*
- *Answers to uniquely Australian problems in implementation of POGIL style activities*