



9th International Conference on Science, Mathematics, and Technology Education
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**SMTE 2017 Pre-conference Workshop 3
7 November 2017 (0900-1200)**

Using Learning Environment Measures to Direct School Improvement

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This workshop will explore the use of students' perceptions of their classroom learning environment and teachers' perceptions of their school environment as means of informing future directions in school improvement. Following an overview of some of the instruments available to collect quantitative data from students and teachers, participants will have the opportunity to use two instruments, the *Questionnaire on Teacher Interaction* (QTI) and the *School Organisational Climate Survey* (SOCS) to measure their perceptions of their own working environment. The presentation will consider the ways by which qualitative data can be gathered and used to supplement the quantitative data gained from questionnaires and the ways that improvements to classroom and school environments can be facilitated by the collection and analysis of such information. The workshop will preface a paper presentation by the same authors detailing a high school professional learning program based on the principles of this workshop.

*Participants are strongly encouraged to bring a laptop to the workshop