



Contribution ID: 419

Type: Oral Presentation

## Using cooperative learning to improve students' problem solving in physics

Wednesday, 9 July 2014 14:00 (20 minutes)

**Abstract content &nbsp; (Max 300 words)<br><a href="http://events.saip.org.za/getFile.py/?target="\_blank">Formatting &<br>Special chars</a>**

This paper reports on work done in the Physics Department at the University of the Western Cape using cooperative learning to improve students' problem-solving in physics. The first Semester mechanics module of the mainstream physics first year program focuses on a student-centered teaching and learning approach. Cooperative learning is used in this approach as a tool to promote student participation in their learning and to improve their problem solving in physics. The mainstream mechanics module teaching and learning approach and use of cooperative learning to improve students' problem solving in physics will be presented and discussed.

**Apply to be<br> considered for a student <br> &nbsp; award (Yes / No)?**

no

**Level for award<br>&nbsp;(Hons, MSc, <br> &nbsp; PhD)?**

no

**Main supervisor (name and email)<br>and his / her institution**

no

**Would you like to <br> submit a short paper <br> for the Conference <br> Proceedings (Yes / No)?**

yes

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**Session Classification:** Education

**Track Classification:** Track E - Physics Education