



Contribution ID: 17

Type: **Poster Presentation**

## First year university physics students' understanding of units and measurements

Wednesday, 5 July 2017 17:10 (1h 50m)

Adequate understanding of units and measurements is a key competence required for the enhancement of scientific literacy. Success in both theoretical and practical components of Physics courses depends to a large extent on the ability to convert and manipulate both fundamental and derived units. In light of this imperative, this investigation probed students' conceptual competence in units and measurements as crucial aspects associated with both theory and practical work in Physics. The sample in this research comprised students enrolled for diploma programmes in the Faculties of Engineering and Health Sciences at the University of Johannesburg. Key findings in this research strongly suggest that students' conceptual competence in units and measurements appears to be a function of the intrinsic requirements of the respective academic programmes.

**Primary authors:** Dr REDDY, Leelakrishna (University of Johannesburg); Dr RAMAILA, Sam (University of Johannesburg)

**Presenter:** Dr REDDY, Leelakrishna (University of Johannesburg)

**Session Classification:** Poster Session 2

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