



# SAIP 2011

## Wednesday 13 July 2011

### Education - Acro7 (11:00-12:45)

**-Conveners: Deena Naidoo**

time	[id] title	presenter
11:00	[106] Learners' Understanding of Ammeter and Voltmeter in a DC Schematic Circuit	Mr MAUTJANA, Ramaite Thomas
11:15	[118] Investigation of First Year University Students' Interpretation of Graphs in Mathematics and Kinematics	Mr PHAGE, Itumeleng
11:30	[137] Four-year program students expectations and reactions	Ms DALE, Denise
11:45	[224] Pre knowledge of physics 1 students on vectors	Mrs MHLONGO, Motlalepula Rebecca
12:00	[231] The Pinhole Camera: A fascinating optical device for physics freshmen.	Mr MOTSOENENG, John
12:15	[232] Forces: A difficult area for the students	Mr MAPASHA, Edwin

### Education - Acro7 (13:45-15:30)

**-Conveners: Case Rijdsijk**

time	[id] title	presenter
13:45	[18] National Curriculum Statement achievement levels – Can they serve as a measure of science students' preparedness for university study?	Dr REDDY, Leelakrishna
14:00	[159] Foundation Provision: Any Difference in Students' Performance?	Ms SONDEZI-MHLUNGU, Buyi
14:15	[123] Active Learning in the Third Year Statistical Physics Course at the University of the Witwatersrand	Dr KEARTLAND, Jonathan
14:30	[125] Instructional Design Principles applied to Physics laboratory and tutorial courses	Dr NAIDOO, Deena

# Thursday 14 July 2011

## Education - Acro7 (08:00-09:30)

**-Conveners: Douglas Clerk**

time	[id] title	presenter
08:00	[17] Lightning – Scientific knowledge versus mythological beliefs	Mr RAMAILA, Sam
08:15	[174] On the Possibility of Visualizing and Minimizing Student Disappointment	Prof. BOTHA, André
08:30	[211] Aspects of DC circuits: a fine grained investigation of student conceptions	Mr JOHN, Ignatius
08:45	[186] How do the features of experiments influence the experience of first year physics students?	Mr VAN DER MERWE, Johan
09:00	[80] Training Senior student to be "IIL" competent Physics lecturers	Dr MOJI, CABLE

## Education - Acro7 (11:00-12:45)

**-Conveners: Kevindran Govender**

time	[id] title	presenter
11:00	[251] The transition from high school Physics to first-year Physics: How well prepared are our students?	Mr MOLEFE, Paul
11:15	[269] Learners' and prospective teachers' productive intuitive conceptions in magnetism	Ms ERASMUS, Benita
11:30	[272] Using classroom response systems as a tool to enhance interactive engagement and formative assessment in the classroom	Dr HERBERT, Mark
11:45	[227] Lightning	Mr RIJSDIJK, Case

## Education: SG Meeting - Acro7 (13:45-14:30)

**-Conveners: Sam Ramaila**

# Friday 15 July 2011

## Education - Acro7 (08:00-09:30)

**-Conveners: Sam Ramaila**

time	[id] title	presenter
08:00	[220] The South African Physics Olympiad, SAPhO	Mr RIJSDIJK, Case
08:15	[233] Visualizing Physics: Good Vibrations	Mr FISH, Derek
08:30	[300] The Extended Curriculum Programme (ECP) Physics at University of the Western Cape (UWC): Giving students' access to study the physical sciences in higher education, particularly further studies in physics.	Dr HERBERT, Mark
08:45	[357] "Seeing is believing": Visual perceptions and the learning of kinematics	Dr LEMMER, Miriam

## Education - Acro7 (11:00-12:45)

**-Conveners: Derek Fish**

time	[id] title	presenter
11:00	[143] Contrasts between student and examiner perceptions of the nature of assessment tasks	Mr CLERK, Douglas
11:15	[416] International Astronomical Union Global Office of Astronomy for Development	Mr GOVENDER, Kevindran