

SAIP2016

Tuesday 05 July 2016

Physics Education: EDU - 2B (10:00-10:40)

-Conveners: Claudia Albers

time	[id] title	presenter
10:00	[375] Probing students perceptions of first year physics labs: a focus on learning and enjoyment aspects	Ms TLOWANA, Munene
10:20	[129] Physical models: A crucial link between reality and mathematical models	Dr LEMMER, Miriam

Physics Education: EDU - 2B (11:10-12:10)

-Conveners: Miriam Lemmer

time	[id] title	presenter
11:10	[6] Understanding of vector addition and subtraction by first year university students: graphical versus algebraic methods	Dr CARLESCHI, Emanuela
11:30	[252] Postgraduate Studies: Influences that make students to choose their respective research fields	Dr SONDEZI, Buyi
11:50	[318] COMPARISON OF TWO MODELS OF PROBLEM SOLVING IN PHYSICS: A STUDY OF SECONDARY SCHOOL STUDENTS IN ADAMAWA STATE, NIGERIA	Mr ABUBAKAR, Ishiyaku Mbela

Physics Education: Teachers Workshop - 2B (14:00-15:40)

-Conveners: Colleen Henning

time	[id] title	presenter
14:00	[7] The Need for a Physics Olympiad	Mr RIJSDIJK, Case
14:20	[551] Problem Solving	Mr CLERK, Douglas
15:00	[552] Newton's Laws	Mr RIJSDIJK, Case

Wednesday 06 July 2016

Physics Education: EDU - 2B (09:40-10:40)

-Conveners: Deena Naidoo

time	[id] title	presenter
09:40	[137] The development of learners' views on the nature of science in a science enrichment programme	Mr BALOYI, Vonani Michael
10:00	[155] Using Design Based Research to improve teaching, testing and learning.	Mr FISH, Derek
10:20	[213] Physics of noise and its impediment to the health of mine workers	Mr KOMBO TSOUMBOU, AMOUR DORICK

Physics Education: EDU - 2B (11:10-12:10)

-Conveners: Douglas Clerk

time	[id] title	presenter
11:10	[61] The pedagogical orientation of 4th year BEd students in teaching physics	Dr RAMAILA, Sam
11:30	[506] Optical interference with digital holograms	Mr GOSSMAN, David
11:50	[169] Seeing is believing?	Mr FISH, Derek

Thursday 07 July 2016

Physics Education: EDu - 2B (09:40-10:40)

-Conveners: Case Rijdsijk

time	[id] title	presenter
09:40	[431] An overview of the University of the Western Cape Physics Department Physics for teachers' program	Dr HERBERT, Mark
10:00	[133] Teaching students problem solving with the 'light bulb effect' cognitive diagrammatic representation	Dr ALBERS, Claudia
10:20	[522] Meeting the World's Needs for 21st Century Science Instruction – a synthesis of research and best practice	Mr HORSZOWSKI, Peter

Physics Education: EDU - 2B (11:10-13:00)

-Conveners: Sam Ramaila

time	[id] title	presenter
11:10	[201] Student understanding of vectors	Mr JOHN, Ignatius Mr KUDINHA, Martin
11:30	[227] Is the Abstract/Concrete Distinction a Useful Tool in Physics Education Research?	Mr SOUTHEY, Philip
11:50	[200] Student difficulties with DC circuits: misconceptions or sense-making?	Mr JOHN, Ignatius
12:10	[534] Division Meeting: EDU	Dr RAMAILA, Sam

Friday 08 July 2016

Physics Education: EDU - 2B (09:40-10:40)

-Conveners: Dale Taylor

time	[id] title	presenter
09:40	[445] Analysis of Electric Circuits using MATLAB and Simulink	Mr ERO, Felix
10:00	[430] Tests that promote physics learning	Dr HERBERT, Mark

Physics Education: EDU - 2B (11:10-12:10)

-Conveners: Paul Molefe

time	[id] title	presenter
11:10	[138] Teaching problem-solving by means of shoestring experiments	Prof. NAIDOO, Deena
11:30	[487] Operating the New Naval Hill Planetarium - An innovative and entrepreneurial approach	Prof. HOFFMAN, Matthiam
11:50	[521] The metacurriculum of first year physics service courses	Dr TAYLOR, Dale

Physics Education: EDU - 2B (14:00-16:40)

-Conveners: Philip Southey

time	[id] title	presenter
14:00	[224] Faculty-Student Interaction - The Informal Revolution	Mr SCHWARTZ, Marthnis Johannes
14:20	[380] A new approach to teaching graphs to first year science students	Mr TSIPA, AJ
14:40	[482] Fluid Dynamics as a precursor to a "Griffiths level" Electrodynamics course	Dr TUPPER, Gary
15:00	[273] I taught them everything, but they still couldn't get it right	Mr MOLEFE, Paul
15:20	[477] Multiple Choice Question Responses: Right or Wrong?	Dr MASENDA, Hilary
15:40	[135] Termites in our tests? The role of stigmergy in our examination system	Mr CLERK, Douglas
16:00	[582] Using Wolfram Mathematica to Analyze and Visualize experimental data.	Mr DEMPERS, Clemens