

Minutes of the SAIP Applied Physics Division (APD) meeting
held on-line on Thursday 29 July 2021 at 9:00

Agenda

1. Welcome
2. Appointment of minutes secretary
3. Matters to be placed under General
 - Website (Dr Alan Mathews)
4. Minutes of the previous meeting: 24 March 2021 (on-line)
5. Matters arising from minutes
 - a. Prof Seifert
6. Chairman's report
7. Comments on 66th SAIP conference
 - a. Number of oral and poster presentation (see chairman's report)
 - b. Poster arrangement and conference
 - c. Comments from members
8. Finances
9. Conferences
10. General
11. Closing

1. Welcome

- The chair, Prof Phil Ferrer welcomed everyone

2. Appointment of minutes secretary and attendance

- Aletta Karsten was appointed as minute secretary.
- A recording was made of the meeting.
- The meeting was attended by 32 people (see attachment at the end)

3. Minutes of previous meeting 24 March 2021

- Minutes was displayed on-line
- The chairman tabled this report and it was accepted – the report is attached to the minutes.
- Previous student representative graduated in April 2021. Adiel Holtzhausen from UP was elected as the new student representative (adielholtzhausen@gmail.com)
- Prof Seifert was invited to the conference for a specialist lecture and a plenary lecture.

4. Chairman's report and discussion of the conference

- In the APD stream, the following papers and posters were presented: 1 plenary, 1 non-specialist, 26 regular and 21 posters.
- Industry speaker moved to the Physics Education Division. Prof van Dyk stressed the fact we the APD should stay involved with the Industry Day.
- Wits is 100 years old in 2022 and alumni will be contacted and invited to Industry Day 2022.
- Prof Diale Mmantsae announced that on 23 August 2021 there will be a Women in Physics in Africa workshop. She also mentioned that numerous physics students find employment

outside physics. Employers are looking for people with a physics background and critical thinking skills. Will give a presentation on entrepreneurship in 2022 at SAIP.

- Dr Freddie Vorster mentioned that engineers should not be excluded from Applied Physics. Their presentations should have a solid physics background.
- Prof Trevor Derry mentioned that the poster sessions worked well in the on-line format with the “break-out” rooms to the beach and the bar. Students felt that they should be aware when an evaluator (for one of the prizes) “visit” their poster.
- The on-line oral presentation also worked well. It was commented that presentations that were presented in real time seemed better than the pre-recorded presentations.
- The current committee was requested to stay on till 2022.

5. Finances

- The financial statements 2019-20 were presented. Prof Ernest van Dyk mentioned that there was no additional income in the last financial year due to the postponement of the conferences that normally generate income for the Division.

8. Applied Physics Forum Finances (Summary)

	Value	Bank details	Proposed	2019	2018
Honours Award					
Poster or Oral	R 0		R2 000	2000	
MSc					
Poster	R 0		R4 000	4000	R 3 500
Oral	R 0		R4 000	4000	R 3 500
PhD					
Poster	R 0		R5 000	5000	R 4 500
Oral	R 0		R5 000	5000	R 4 500
	R 0	R 0	R 20 000		R 16 000

Physics Division Income & Expenditure Period: 1 July 2020 - 30 June 2021	
Opening balance (1 July 2020)	R 56 930.80
INCOME:	
SAIP Council (2020 Awards)	
SACPM Conference	
PV Workshop	
Sponsorships	
Total Income	R 0.00
EXPENDITURE:	
Bank Charges	R 1 507.00
Student Awards (2020)	
Website	R 3 829.00
Invited speakers	
Committee Meetings	
Workshops	
Total Expenses	R 5 336.00
Current account Balance	R 51 594.80
PROJECTED INCOME:	
5th SACPM	R 0.00
SAIP Council (2021 awards)	R 9 000.00
Sponsorships	R 10 000.00
Workshops	R 0.00
	R 19 000.00

- The meeting decided to keep the student awards the same as for the 2019 conference. APD student awards are substantially more than other divisions.
- The main expense is on the website to renew it (Dr Alan Matthews is heading this).

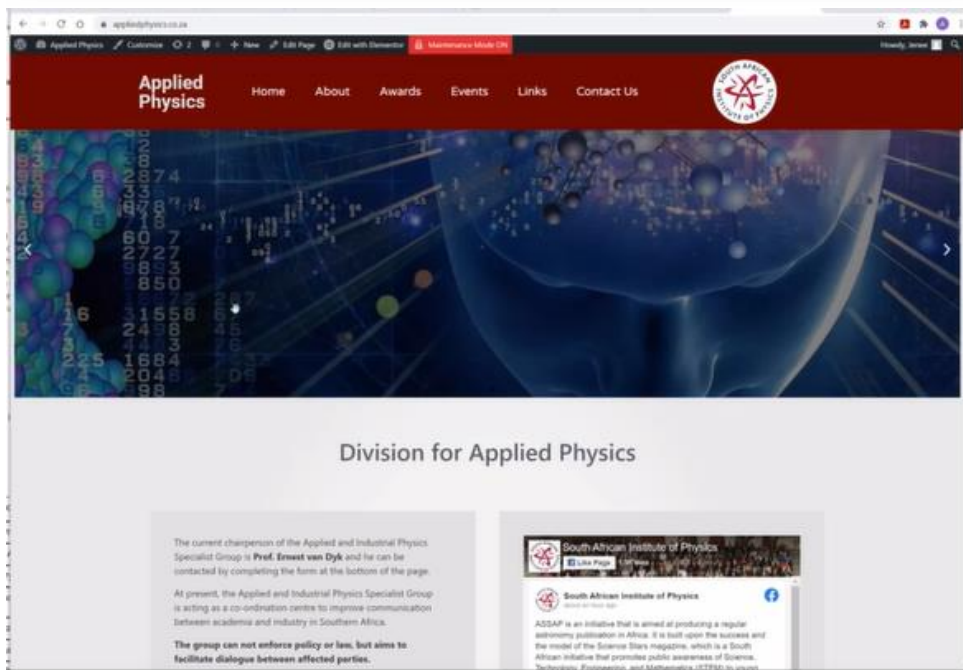
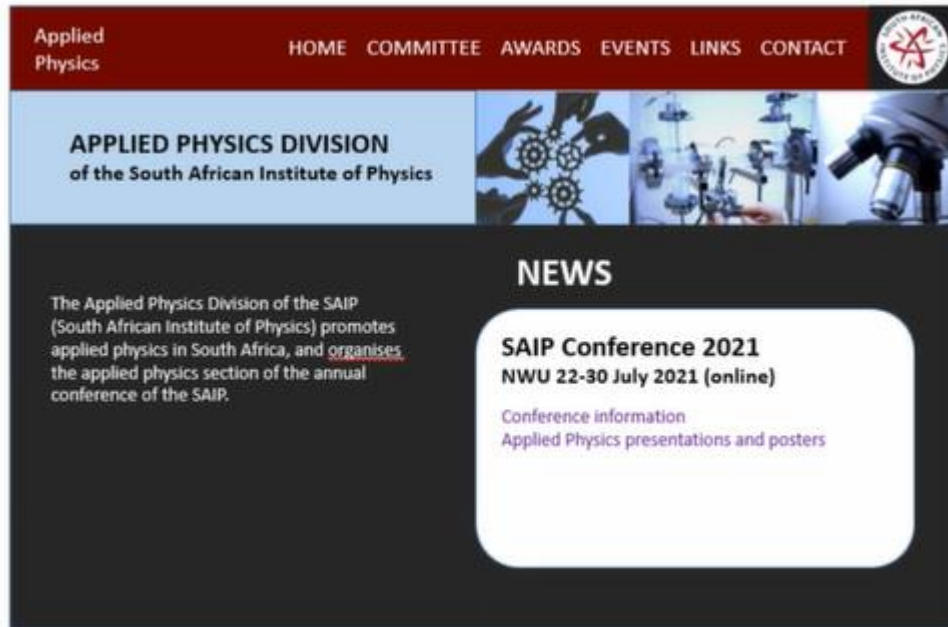
6. Future conferences

- Next years' conference 67th Annual SAIP conference will be held at NMU in Gqeberha. It will most probably be an online conference. I may be combined with African Conference of Physics.
- African School of Physics will be in held online and run over a few weeks December 2022.
- In May 2022 the SA Conference of Photonics Materials is planned and in November a Solar Energy conference.
- Proposed speakers for next year's SAIP conference: A plenary speaker from Sweden for a lecture on Hydrogen Production.

- Prof Mmantsae is running workshops at UP with collaborators on Energy. Discussions between her and Prof van Dyk should happen.

7. Website

- Dr Alan Matthews took responsibility for the website. Members should send content to him.
- Draft front page:



- Photos of the students that win prizes should be on the website as well as a short summary of their work. Someone has to follow upon this.


































































































8. General

- No additional points

9. Closing

- The meeting was closed at 10:00.

Meeting attendance

 Aletta Karsten (Me)  	 Lehlohonolo Lisema  
 Phil Ferrer   	 Mandla M  
 .LOC.Andrews Dz... (Co-host)  	 Masodi Ramokali  
 Ernest van Dyk  	 Mavis Seidu  
 Frederik  	 Molebogeng Mothupi  
 Mmantsae Diale  	 Monphas Vumbugwa  
 2Lani Hlatshwayo  	 Othmane Mouane  
 Adiel Holtzhausen  	 PMereotlhe  
 Alan Matthews  	 Roelof Roodt  
 Lehlohonolo Lisema  	 Ross Dix-Peek  
 Mandla M  	 Siphesihle Mnguni  
 Masodi Ramokali  	 Sizwe Sibiyi  
 Mavis Seidu  	 T_ Cam  
 Molebogeng Mothupi  	 Tjaart Krüger  
 Monphas Vumbugwa  	 Trevor Derry  
 Othmane Mouane  	 William Fana POOE  

List of current committee members:

	<u>Current</u>	<u>Previously</u>
Dr Thulani Hlatshwayo	Abstract Review	
Ms Marie Umuhire	Student Representative (end of 2021)	Student Representative
Prof. Phil Ferrer	Chair, Abstract Review	Vice-Chair, Abstract Review
Dr Freddie Vorster	Industry liaison*	Treasurer
Dr Kitessa Roro	Manuscript Review	
Dr Aletta Karsten	Secretary	Secretary
Prof Ernest van Dyk	Treasurer	Chair, Manuscript Review
Prof Trevor Derry	SAIP Council Liaison	
Dr Alan Matthews	Web Champion*	Manuscript Review
Dr Tjaart Kruger	Biophysics Liaison	Biophysics Liaison

*Change of portfolio