

South African Institute of Physics: Applied Physics Division

Minutes of AGM held online on Wednesday, 6th July 2022 at 17h00

Attendance: Phil Ferrer, Alan Matthews, Aletta Karsten, Ernest van Dyk, Trevor Derry, Frederick Vorster, Adiel Holtzhausen, GL Kabongo, S Hlongwane, Lindsay Westraadt, Mmantsae Diale, Onesimo Mtinsilana, Philip Pare, Robert Nshimirimana, Ross Dix-Peek, Steve Makoni, NM Thantsha, Tjaart Kruger, Trevor Sewel.

1. WELCOME AND APOLOGIES

1.1 Appointment of minutes secretary: *Alan Matthews*

2. CONFIRMATION OF THE AGENDA

2.1 Matters to be placed under General : *Nil*

3. CONFIRMATION OF THE MINUTES OF THE PREVIOUS meeting HELD ON 29th July 2021

Accepted: Proposer: Trevor Derry, Secoder: Frederick Vorster

4. MATTERS ARISING FROM THE MINUTES

4.1 Industry day: *Tue 5 July under Education/Development Track E*

Should not be parallel with Applied Physics. Could be before the conference. New committee will deliberate and act.

4.2 Website (content): *Nil*

4.3 Women in Physics Africa workshop (Prof. Mmantsae): *Workshop in Aug 2021(many delegates from Africa; focus on early career researchers).*

4.4 Engineers in Physics: *Wikus van Niekerk gave a presentation, and others.*

4.5 Posters: *Virtual platform worked well. Many students were not present for judging – hence NO SHOW. Suggest that we provide guidelines to students to have less verbose posters (“less is more”). 17 posters, 5 no-shows.(Orals: 2 plenaries, 1 non-specialist, 32 regular, 2 no-shows.)*

4.6 Student rep: *Would like a workshop on how to prepare for oral and poster presentations. Could provide guidelines (including video tutorial) on website, with winning posters and talks as examples. Could also encourage supervisors to guide students.*

4.7 Conferences: *See item 5.*

5) CONFERENCE ACTIVITIES (SA) : 2023 – (advertise on website) SACPM (photonic materials) 9-11 May 2023 Kruger park; SASEC 2023 (solar energy) Nelson Mandela Bay Nov 2023 (cross-disciplinary physics-engineering); Congress on computational materials (<https://nithecs.ac.za/computational-materials/>) Univ Pretoria (in-person + online) 18-22 Sep 2022; Microscopy Soc of SA Gold Reef City Jhb 5-8 Dec 2022 (<https://microscopy.co.za/welcome>); Africa Material Society conference Dec Senegal 2022; African School of Physics Gqeberha Nov/Dec 2022.

6) BIOPHYSICS REPORT

Prof. T. Sewell to report: *START programme has led to expansion of structural biology in SA. SA has been a member of Intl Union of Pure and Applied Biophysics. Would APD motivate to SAIP to continue to pay for membership (R 50 000) without annual re-motivation? Infrastructure is essential (synchrotrons, electron microscopes), available outside South Africa. Could APD/SAIP support motivation for funding for access to such infrastructure via membership of the EU’s Instruct programme to DSI? **This will be discussed by the new committee and brought to the attention of the SAIP Council.***

7) CHAIRPERSON'S REPORT

Prof Phil Ferrer to report (*Report attached*). *The meeting thanked Phil Ferrer for his chairing of the APD for the last four years.*

7) FINANCE REPORT

Prof. Ernest van Dyk to report: *Thanks to the Treasurer.*

8) MEETINGS ATTENDED IN APD CAPACITY

General: (*Info to be provided*).

9) SAIP COMMENTS

9.1 Winter-school: *Biophysics school – good talks, disappointing attendance (approx. 20). Perhaps better to hold the Winter School during the conference week. Low attendance may be due to the online format; on the other hand, online format permitted more international speakers.*

9.2 Plenaries: *Plenaries were excellent.*

9.3 Non specialist lecture: *Also excellent. Interesting how Brazil has developed infrastructure.*

9.4 Industry Day: *Well-received Industry Connection Roadmap talk; video can be placed on the website.*

Action to be discussed by new committee.

9.5 Talks: *Level was good. Videos could be kept to time more strictly.*

9.6 Posters: *See item 4.5.*

9.7 Organisation: *Organisation was excellent. Timetable was not too full. Keep adequate time for questions after talks.*

9.8 Reviews: *Reviews were done well.*

13) GENERAL: Nil

14) ELECTION OF NEW COMMITTEE:

Prof Alan Matthews	Chair and Secretary
Prof Phil Ferrer	Past Chair
Prof Ernest van Dyk	Treasurer, Manuscript Review, Judging
Prof Trevor Derry	SAIP Council Liaison
Dr Adiel Holtzhausen	Website and Outreach
Prof Tjaart Kruger	Biophysics Liaison
Dr Freddie Vorster	Industry Liaison
Dr Lindsay Westraadt	Industry Roadmap
Mr Roelof Roodt	Student Representative (<i>co-opted 14 July 2022</i>)
Mr Rorisang Sitoboli	Student Representative (<i>co-opted 14 July 2022</i>)

Meeting closed at 19h15.

Applied Physics Division Chairperson's Report: 6th July 2022 (Prof Phil Ferrer)

1. Applied Physics Division contribution to conference activities: 2 plenary talks, Biophysics Winter school, also important: Academia/Industry
2. Industry day speaker for Applied Physics: AM on behalf of APD (Roadmap)
3. Prize money to the APD: EvD to comment
4. Council contributions: PhF: IYBSSD2022 (International Year of Basic Sciences for Sustainable Development) steering committee, Organiser of Physics centennial event at Wits
5. 66th SAIP Annual Conference.

Contributions and attendance: Numbers are slightly up from 2021

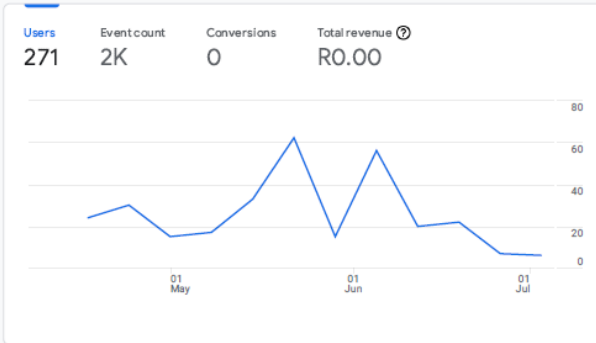
	2022	2021	2019	2018	2017
Oral	2 Plenary 1 Non-Specialist 32 Regular	1 Plenary 1 Non-Specialist 26 Regular	6 Industry Day 31 Regular	1 Plenary 1 Non – specialist 6 Industry Day 25 Regular	1 Non – specialist 7 workshop 39 Regular
Poster	17	21	29	24	29
Total	49	47	60	57	76

The number of no-shows were (to date): 2 Orals

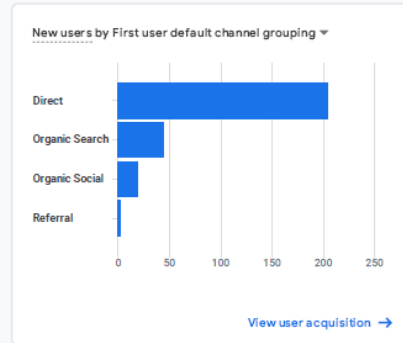
5 Orals given by non-students (this must increase!)

6.
 - Workshop: No workshops associated with the Division held in 2022.
 - Plenary Lecture: Profs W. van Niekerk and T. Kruger
 - Non-specialist lecture: Prof Igor Polikarpov
7. Website (<https://appliedphysics.co.za/>): mainly driven by Alan Matthews (layout), Jenee Morton (webmaster) and PF (content).
We have added a lot of content: SAIP APD talks 2021, Info related to SAIP 2022, and recorded talks from wits alumni.

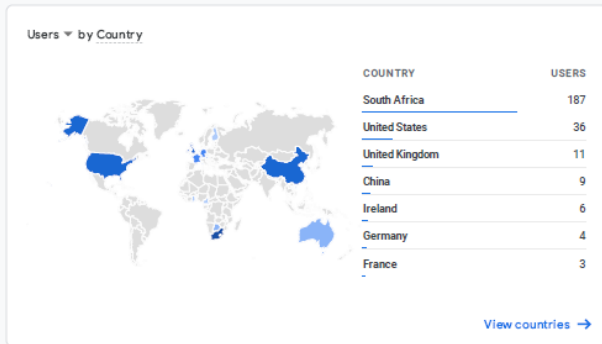
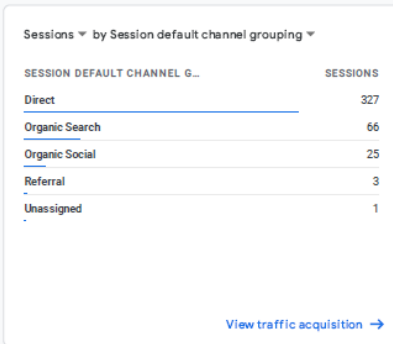
All Users + Add comparison



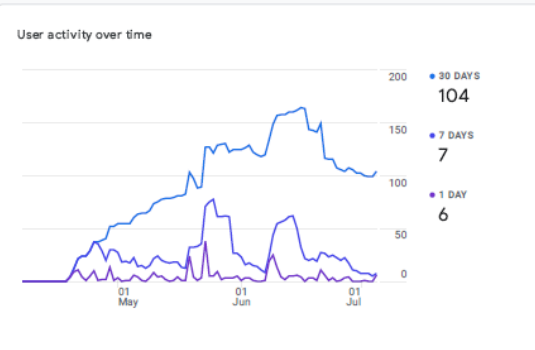
WHERE DO YOUR NEW USERS COME FROM?



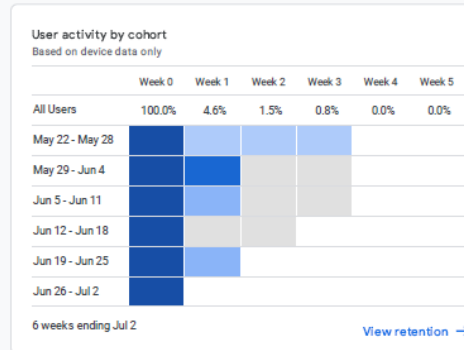
WHAT ARE YOUR TOP CAMPAIGNS?



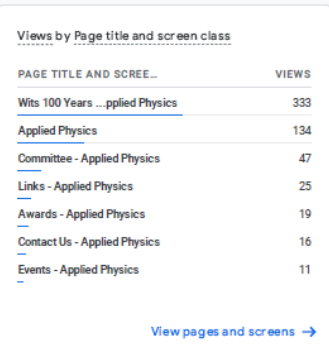
HOW ARE ACTIVE USERS TRENDING?



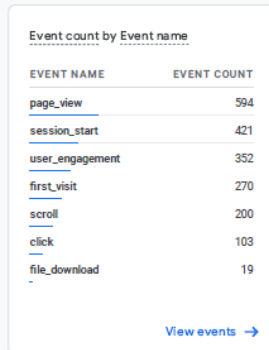
HOW WELL DO YOU RETAIN YOUR USERS?



WHICH PAGES AND SCREENS GET THE MOST VIEWS?



WHAT ARE YOUR TOP EVENTS?



8. This is an election year, current council has been active for 4 years. THANK YOU!

Submitted by:

Phil Ferrer

Chair: Applied Physics Division

Treasurer's Report (submitted by Ernest van Dyk):

Applied Physics Division Income & Expenditure Period: 1 July 2021 - 30 June 2022	
Opening balance (1 July 2021)	R 51 594.80
<u>INCOME:</u>	
SAIP Council (2021 Awards)	
SACPM Conference	
PV Workshop	
Sponsorships	
Total Income	R 0.00
<u>EXPENDITURE:</u>	
Bank Charges	R 1 076.50
Student Awards (2021)	R 22 000.00
Website	R 6 000.00
Invited speakers	
Committee Meetings	
Workshops	
Total Expenses	R 29 076.50
Current account Balance	R 22 518.30
<u>PROJECTED INCOME:</u>	
9th SACPM	R 20 000.00
SAIP Council (2021 awards)	R 8 000.00
SAIP Council (2022 awards)	R 9 000.00
Sponsorships	R 10 000.00
Workshops	R 0.00
	R 47 000.00