

Paper Submission Form - SAIP2025 Proceedings

Sections A, C, D, and E must be completed by all authors (including students) who submit papers. Section B is compulsory for students who submit manuscript(s).

Section A: Paper Submission Information

Paper/Abstract ID	304
Paper title	Characterization of defects in neutron-irradiated tin oxide using positron annihilation techniques.
Corresponding Author Name & Surname:	Ms Dineo Motjope
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Section B: For Students & Supervisors

Supervisor Name & Surname:	Prof T Jili
Supervisor Email Address:	JiliP@unizulu.ac.za

For this paper, the supervisor must agree/disagree with the following statements.

	Yes	No
1. I am aware that the above-mentioned paper is being submitted for possible publication in the Proceedings of the SAIP Conference. I am satisfied that the presented work is that of the listed authors. I hereby give consent to the submission	X	
2. I have proof-read the manuscript	X	
3. I am satisfied that the manuscript is written in appropriate English and is sufficiently free of grammatical and spelling errors	X	
4. I am familiar with the required manuscript format ("House Style"), and I am satisfied that this manuscript meets the criteria. I am aware that manuscripts not conforming with House Style may be desk rejected	X	
5. I am satisfied that the scientific content of this manuscript is of sufficient standard for it to be considered for publication in the Proceedings of the South African Institute of Physics Conference Proceedings	X	

Student Name & Surname: Dineo Motjope

Signature: 

Date: 31/07/2025

Supervisor Name & Surname: ...Thulani Jili.....

Signature:  Date: ...31/07/2025.....

Section C: Suggested Reviewers

Obtaining the two referee reports necessary for DHET subsidy is an onerous task.

Please provide the names and contact details of three qualified South African and/or international referees. Referees should have a PhD and expertise in the relevant area of Physics. Do not recommend referees who have co-authored a work with any of the authors on the manuscript within the past five (5) years. Manuscripts without three recommended referees may be subject to desk rejection.

Suggested Reviewers in your Research Field (Both local & international)		
	Reviewer Names & Surname	Reviewer's Email Address(es)
Suggested reviewer #1	Prof Eric Maluta	Eric.maluta@univen.ac.za
Suggested reviewer #2	Dr Christopher Mtshali	mtshali@tlabs.ac.za
Suggested reviewer #3	Dr Obed Shirinda	obed.shirinda@spu.ac.za

Section D: Declaration of Novelty and Use of AI

How is this submitted manuscript scientifically novel?

_____The positron annihilation technique has been under utilized yet it is the most sensitive tool in detecting small defects like point defects or open volume vacancies. The use of neutrons within a selected energy range is vital in the sense that it would show how such semiconductors respond to radiation at atomic scale level. The method used is non-destructive and sensitive to small defects up to dislocation or large defects.

_____Please see the Author Guidelines for the AI use policy.

How was AI used in the generation of this manuscript?

AI was never used in this manuscript

Section E: Plagiarism

_____	Yes
I am aware that plagiarism detection software may be used on my manuscript.	X