

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	449
Paper title	Development and Qualification of a Fiber Optic Sensor Package for ITk Environmental Monitoring
Corresponding Author Name & Surname:	Doomnull Unwuchola
Corresponding Author Email Address:	doomnull@gmail.com

Section B: For Students & Supervisors

Supervisor Name & Surname:	Lerothodi Leeuw
Supervisor Email Address:	Lerothodi@alum.mit.edu

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	Yes	
2. I have proof-read the manuscript	Yes	
3. I am satisfied that the manuscript is written in appropriate English and is sufficiently free of grammatical and spelling errors	Yes	
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	Yes	
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	Yes	

Student Name & Surname: doomnull Unwuchola Signature: Date: 27/07/25

Supervisor Name & Surname: Lerothodi Leeuw..... 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	Petra Riedler	Petra.Riedler@cern.ch
Suggested reviewer #2	Iry Gledhill	igle.gledhill@wits.ac.za
Suggested reviewer #3	Alan Matthews	MATTHEWSA@ukzn.ac.za

Section D: Declaration of Novelty and Use of AI

How is this submitted manuscript scientifically novel?

~~This is a current form of measuring physical parameters in an increasingly irradiated environment. The assembling and combination of the sensors in the package requires a lot of quality assurance and checks that also demands writing codes and algorithm to decouple and compensate physical parameters from each other. These have been done with positive results.~~

Please see the Author Guidelines for the AI use policy.

How was AI used in the generation of this manuscript?

NIL

Section E: Plagiarism

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