

Review Form2

Book Name:	Current Approaches in Engineering Research and Technology
Manuscript Number:	Ms_BPR_2513
Title of the Manuscript:	Fiber-tree network for water-surface ranging beyond the fiber end using an OTDR technique
Type of the Article	Book chapter

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimumof 3-4 sentences may be required for this part.	This paper can be a contribution to its field. The author managed to demonstrate the importance of the work and the extension from the preliminary studies conducted. However, proper elaboration and explanation as in the objectives and its discussion of the results in answering the objective need to be revised.	
Is the title of the article suitable? (If not please suggest an alternative title)	Amplified OTDR fibre tree network in water surface detection	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Abstract is not comprehensive. The writing of the abstract can be improved by giving the brief summary fo the problem statement, objectives of the study conducted, method used on the amplified OTDR, the results obtained and conclusion gained.	
Are subsections and structure of the manuscript appropriate?	Structure of the manuscript can be improved by having the subsections of introduction (includes the problem statement and objectives), methodology, results and discussion, conclusion and references.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimumof 3-4 sentences may be required for this part.	Manuscript can be improved by having the subsections of introduction which comprises of the problem statement and the objectives. Problem statement was not found in the paper writing and the objectives were unavailable. Introductory on the fibre networks were elaborated but the scientific evidence on why it is needed can be improved. The method used, in this case the OTDR and the degree of its extansion, it would be better if it is done clearly side by side, the results obtained, what are the differences between prelim work and the advancement in terms of efficiency and the robustness of the technique. Conclusion should answer the objectives and the future recommendations (if any) should be included.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	Zhan, Yage, et al. "Performance improvement of optical fiber sensor based on phase sensitive optical time domain reflectometry." <i>Journal of Optics</i> (2024): 1-13. Cao, Wei-hao, and Guang-li Cheng. "Experimental research on signal sensing of distributed acoustic sensing optical fiber based on Φ-OTDR in shallow water." <i>Wave Motion</i> 126 (2024): 103264. Anjana, Kusumi, MadhubhashithaHerath, and Jayantha Epaarachchi. "Optical fibre sensors for geohazard monitoring–A review." <i>Measurement</i> (2024): 114846.	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language command for the article is good but can be improved in the academic style of writing.	
Optional/General comments	The paper shows sound work has been conducted during preliminary and the extension of the prelim work. However in communicating the results in the terms of academic writing can still be improved.	

PART 2:

	Reviewer’s comment	Author’s comment(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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