

Review Form2

Book Name:	Science and Technology - Recent Updates and Future Prospects
Manuscript Number:	Ms_BPR_1782
Title of the Manuscript:	Informatics Carnot Machine in an Optical Fiber
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 few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.	Author has predicted theoraticallyinformation transmission and amplification in which by a sequence of light pulses in an optical fiber, is a classic Carnot machine comprising of two isothermals and two adiabatic. Therefore, it concluded that entropy under certain conditions is information. The Carnot efficiency of an amplifier can be tested experimentally. Calorimetric experiments of this kind require careful photon counting; nevertheless they are possible in the contemporary technology. This study suggests that the second law is applicable in the classical limit to informatics. This manuscript prediction very helpful for scientific communitybecause the approach is extreamlyauthentics	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes , Title of article is apparopriate according theme of Book Chapter	
Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.	Yes	
Are subsections and structure of the manuscript appropriate?	All the Section are apparoprite, Adopt Methodology is Satisfactory .Theoratical calculation is also satisfactory	
Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound?Minimum 3-4 sentences may be required for this part.	Yes , manuscript is scientifically robust and technically because manuscriptgive appropriate solution about pulse sequence which is not coherent, as it is random. The lower the coherence, the higher is the amount of information that can carried by the sequence. This communication suggests that the Shannon information can affect the efficiency of a Carnot machine.	
Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.	No ,Needs to Arrengerefernce in suitable Manner	

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Minor REVISION comments Is language/English quality of the article suitable for scholarly communications?	Yes, Language/English quality of the article very much suitable for scholarly communications	
Optional/General comments	Needs to write suitable Kyewords	

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?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

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