Manuscript Checklist

In order to meet the standard of publication, please check the manuscript according to the list below, one by one.

If some mistakes are discovered in the manuscript, the authors need to revise it immediately before submitting; otherwise, it will lead to rejection or delay publication.

Thank you in advance for your ultimate understanding and kind cooperation.

Title

1	There should be only one sentence in the title of the manuscript.
2	The title should be a declarative sentence. There should be **no end marks** in the title of the manuscript, like "?".
3	The title of the manuscript should be no less than 6 words and no more than 30 words.
4	Please capitalize the first letter in each word of the title, except the function words or proper nouns.
	A sample article title: **E**xtended **D**ragonDeBrujin **T**opology **S**ynthesis **M**ethod

The author's name

1	The author's name should be written in English.
2	The author's name does not include titles. For example: ~~Prof.~~, ~~Dr.~~, ~~Lecturer~~, ~~Assistant professor~~
3	Please provide the **full names** of the authors. There should not be only single word in the author's name. Please inform us if the authors' names are unusual, especially if there are capital and lowercase letters or a comma among the names.
4	There should be no comma in the name of one author. For example: A**.,** Volokyta (The comma should be deleted.)
5	There should be a period in the abbreviated form of the name. For example: <u>A.</u> Wilson
6	Please capitalize the first letter in the name of the author. For example: **A**rtem **V**olokyta
7	Please check and confirm the name(s) of the author(s).
	A sample of authors' name: Artem Volokyta, Heorhii Loutskii, Pavlo Rehida, Artem Kaplunov

The author's affiliation

1	The author's affiliation should include department/faculty, university/institute, city and nation. (There should be **no PO Box, postcode, telephone, fax or road** in the affiliation of the author.)
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	For example:
	~~Professor~~, ~~Doctor~~, ~~Lecturer~~, ~~Assistant professor~~
5	Please check and confirm the names of the authors and the corresponding affiliations.
	A sample of the author's affiliation:
	Department of computer engineering, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" Kyiv, Ukraine

Email address

1	The email address should be available.
2	Please check and confirm the authors and the corresponding email addresses.
3	One email address should be only attached to one author.
4	If there is a corresponding author in the manuscript, the corresponding author should provide one email address. (There should be only one corresponding author.)
	A sample of the author's email: artem.volokita@kpi.ua (Artem Volokyta)

Keywords

1	The number of keywords should be no less than 3 phrases and no more than 8 phrases.
2	It should be better to make the keywords brief and concise.
	A sample of the keywords: Dragonfly, De Bruijn, Multilevel Topological Organization.

Abstract

1	The abstract should be no less than 200 words and no more than 400 words.
2	The abstract must be one paragraph. Don't write it into more than one paragraph.
	For example: **Abstract** The abstract is a separate essay that introduces the manuscript's topic. It typically consists of the research objective, research methodology, research analysis, research results, research conclusion, etc. An excellent abstract should highlight the novel results of the research, have a clear conclusion, avoid content repetition, and provide the complete names of abbreviations at the beginning, which makes the manuscript more comprehensible. (The abstract should be between 200 and 500 words)

The titles in the manuscript

1	The manuscript that meets the standard of publication should have at least 6 parts. **For example:** 1. Title 2. Abstract 3. Introduction 4. Full contents

	5. Conclusion 6. References
2	Please add the numbers from the first part of the manuscript. The first part should be numbered as "1. Introduction".
3	The number of the titles should be successive.
4	The number of the subtitles under the same part should be no less than two. Such as, there should be at least two subtitles 2.1, 2.2 under title 2; there should be at least two subtitles 2.1.1, 2.1.2 under subtitle 2.1.
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6	Please check and confirm all the numbers of the titles in the main body of the manuscript.
	A sample of the titles in the manuscript: 1. Introduction 2. Theoretical background 2.1. Materials and experiments 2.1.1. XXX 2.1.2. XXX i. XXX a. XXX b. XXX ii. XXX iii. XXX 2.1.3. XXX 2.2. XXX 3. Result 4. Discussion 5. Conclusion References

Tables

1	The tables in the manuscript should not be in the form of pictures, and the tables should be editable.
2	A caption should be given to each table and be placed immediately above its table.
3	Tables should be numbered consecutively throughout the manuscript using the single-number system. For example: Table 1, Table 2, Table 3…
4	Please check and confirm whether the way to split table into rows and columns is correct.
5	The contents in the tables should not be edited by Math Tape.
	For example:

	Table 1. Different measurement measuring mixed state estimation results
	Table 2. Topological characteristics

Figures

1	A caption should be given to each figure and be placed immediately beneath its figure.
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5	The contents in the figures should be clear.
6	The picture needs to remain in its original shape and does not need to be stretched or deformed.
7	The words in the figures should be written in English.
	For example: Fig.1. Excess de Bruijn rank 2 Fig.2. Exampled cluster (left) and system of rank 2 (right)

Formulas

1	The number of the formulas should be successive.
2	The number of the formulas should be out of the formula edited box and editable.
3	If there are formulas being created by Math Type in the manuscript, please offer the name of software the author used to edit the formulas.
4	There should be **no messy code** in the formulas.
	For example: $$a_{linked} = value(b) = \sum_{i=0}^{R-1} value(b_i) =$$ $$= \sum_{i=0}^{R-1} b_i \prod_{j=0}^{i} basis(j) = \sum_{i=0}^{R-1} b_i \prod_{j=0}^{i} N_j \qquad (1)$$ $$N_{R+1} = N_R^2 + N_R = N_R(N_R + 1) \qquad (2)$$

References

1	The references should be numbered and marked in the corresponding position of the main body in form of [] (such as: [1], [2], [3] ...). Each reference must be cited in sequence.
2	At least 13 references are required to support your article.
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4	There should be no blank in contents of the references. If there should be some contents in the blank, please add them in the manuscript. If not, please also delete the blank.
	For example:

	[1] H. Loutskii, A. Volokyta, P. Rehida, O. Honcharenko, B. Ivanishchev and A. Kaplunov, "Increasing the fault tolerance of distributed systems for the Hyper de Bruijn topology with excess code," 2019 IEEE International Conference on Advanced Trends in Information Theory (ATIT), Kyiv, Ukraine, 2019, pp. 1-6, doi: 10.1109/ATIT49449.2019.9030487.

Authors' Profiles

1	If there is the part of biography, the authors should also provide their photos in this part.
2	The author's biography should be no more than 300 words.
	Such as: Photo **Heorhii Loutskii**, Professor, Department of Computer Engineering, National Technical University of Ukraine, "Igor Sikorsky Kyiv Polytechnic Institute", Kyiv, Ukraine (ORCID ID https://orcid.org/0000-0002-3155-8301) Major interests: High-performance computer systems and networks: theory, methods and means of hardware and software implementation; design of fault-tolerant distributed computing systems; network topological organization.

Others

1	Words in the manuscript should not be linked together. **For example:** Thispaperproposestwomethodsfor
2	The parts, like acknowledgements, conflicts of interest, references, etc., following the part of the conclusion do not need to be numbered. If it is numbered, we'll delete it. **For example:** 5.Conclusion Acknowledgements References
3	The parts that don't meet the standards of MECS journals will be deleted and revised by MECS in the final checked manuscript.