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Nurture Seminar at AASTU 19Sep2024, Addis Ababa

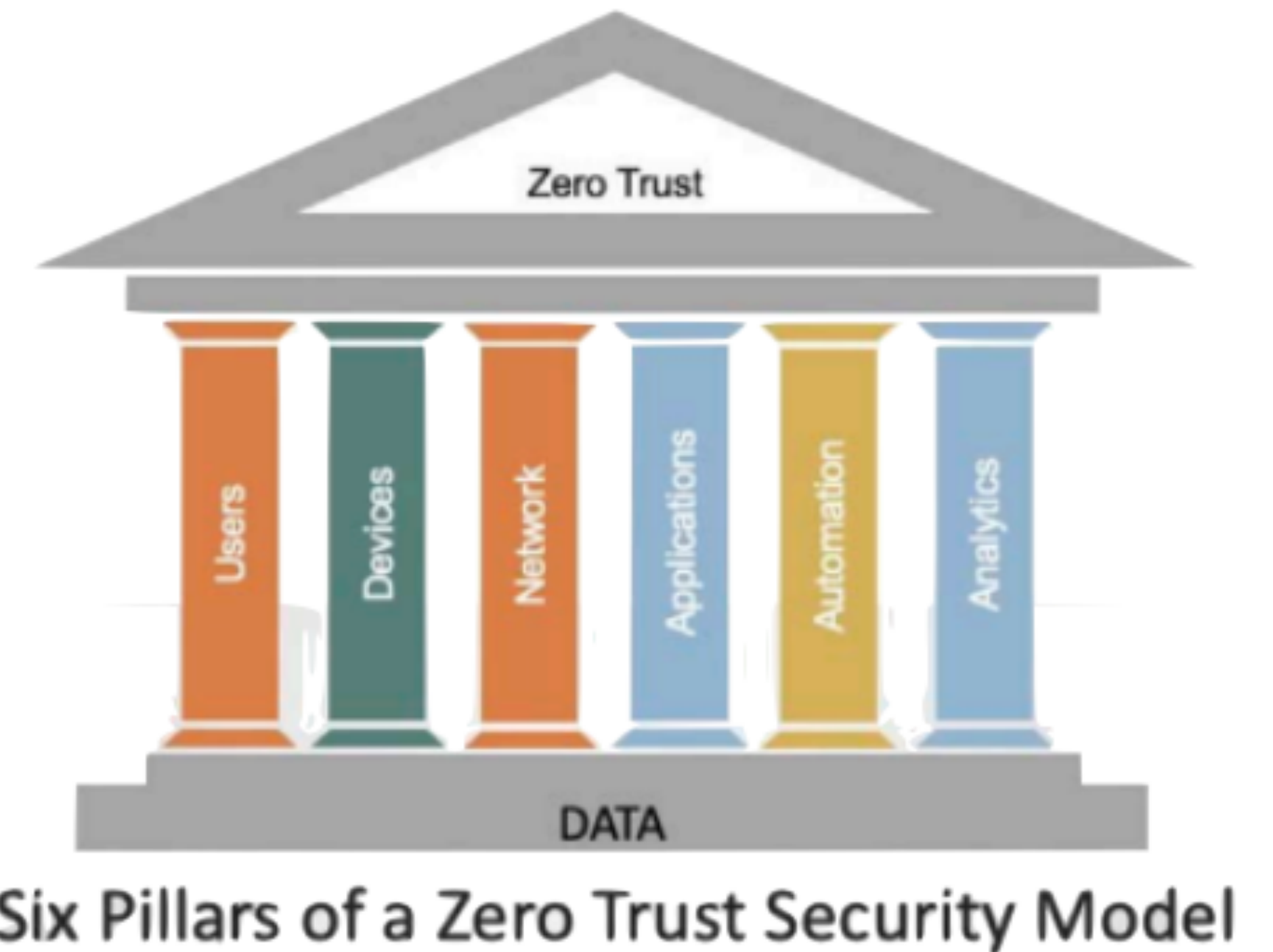
Tips and strategies on how to publish research papers in reputable journals

Josef Noll

Professor, University of Oslo (UiO),
Department of Technology Systems (ITS)
Centre for Global Health (CGH)

Kjeller, Norway, m: +47 9083 8066

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What have I done?



- no idea what I should write about
- do I understand enough?
- What is the topic?

From idea to paper

nothing better than phdcomics.com



WWW.PHDCOMICS.COM

The idea of the paper

- what could I write about?
- “Tips and strategies on how to publish research papers in reputable journals”
 - do I understand it? - perhaps
 - is it publishable? - no
- “The impact of school connectivity on rural development”
 - much better title, though, can I publish?
 - let's see
- discuss with your supervisor
 - she/he has a long experience in crude ideas



“The impact of school connectivity on rural development”

1. State of the art

- Which aspects have others worked on?
- What is my direction?

2. Publishing - Select Journal

3. Structure of my paper

- find a good paper
- “copy an existing structure”

4. Writing - “a nightmare”

5. Review & Publish

1. State of the Art (SOTA)

- Web of Science
- Google Scholar
- elicit.org (AI-based)
- Semantic Scholar
- ...

(1) Be critical to literature outcome

(2) build your opinion based on scientific evidence



SEMANTIC SCHOLAR

A free, AI-powered research tool for scientific literature

Search 221,027,808 papers from all fields of science

Try: [Andrew Y. Ng](#) • [Rationalism](#) • [Aerodynamics](#)

5 results for “The impact of school connectivity on rural development”

Fields of Study ▾

Date Range ▾

Has PDF

Author ▾

Journals & Conferences ▾

Association of Maternal Smoking during Pregnancy with Neurophysiological and ADHD-Related Outcomes in School-Aged Children

Karina Jansone Anna Eichler +6 authors On Behalf Of The Imac-Mind Consortium

Medicine, Environmental Science • [International Journal of Environmental Research...](#) • 1 March 2023

TLDR Smoking during pregnancy significantly affected the resting-state brain activity in children, independent of socio-demographic factors, indicating potential long-lasting effects on brain development. [Expand](#)

“2

[PDF]

PDF

Save

Cite

Daylight and School Performance in European Schoolchildren

R. Baloch C. Maesano +5 authors on behalf of the Sprintt Consortium

Environmental Science, Education • [International Journal of Environmental Research...](#) • 31 December 2020

TLDR A positive relationship was found between performance scores and type of window shading, latitude, percentage of window facing south, and window glazing, with the highest impact due to the window-to-floor area ratio. [Expand](#)

“21

[PDF]

PDF

Save

Cite

Can biomarkers in umbilical cord blood predict atopic disease at school age?

A. Soti J. Usemann +4 authors on behalf of the Bild Study group Medicine • [Pediatric Research](#) •

6 December 2019

TLDR While IL17 may be indicative especially in severe, uncontrolled asthma, CCL5 was found to be elevated in atopic and asthmatic patients in general and levels of IFN- γ were inversely correlated with the development of allergy. [Expand](#)

“2

Springer

Save

Cite

Quick overview elicit.org

- Broadband access
- ICT
- Governmental role
- financing
- health
- economic **impact**

School Connectivity and Rural Development

Q The impact of school connectivity on rural development

Summary of top 8 papers

Copy

Research suggests that internet connectivity and broadband access can have significant positive impacts on rural development, particularly in education and economic outcomes. School connectivity can benefit entire communities by aggregating demand and improving service delivery (Wells & O'Riordan, 2021). Rural areas often face lower broadband availability and adoption rates compared to urban areas ([Mack et al., 2023](#)), but increased connectivity has been shown to improve child health outcomes, including vaccination rates and prenatal care uptake ([Majid, 2013](#)). Internet access can enhance educational opportunities in rural schools ([Khan & Hadi, 2013](#)) and contribute to economic development through increased business activity, productivity, and job creation ([Mack et al., 2023](#)). However, sustainable rural connectivity requires government commitment and innovative funding approaches (Wells & O'Riordan, 2021). While some studies have found mixed results in policy impact evaluations ([Mack et al., 2023](#)), overall, the literature points towards sizeable economic impacts of internet connectivity in many rural settings ([Hjort & Tian, 2021](#)).

What can “I” publish?

- Impact
 - how to measure?
 - what is my model?
 - Randomised control trial?
 - digital data?
- My method: review & interviews (“don’t have data”)
- My output: Evidences & Gaps

(3) Adopt a method from others
(4) what is your output?

2. Which Journal?

- Use the result of your literature analysis
 - **Where** did you find good papers?
 - Ranking, e.g. Google Scholar
 - Impact for SSA
- Discuss with colleagues
 - common analysis
- Ask your supervisor

Categories ▾ English ▾

	Publication	<u>h5-index</u>	<u>h5-median</u>
1.	Nature	<u>488</u>	745
2.	IEEE/CVF Conference on Computer Vision and Pattern Recognition	<u>440</u>	689
3.	The New England Journal of Medicine	<u>434</u>	897
4.	Science	<u>409</u>	633
5.	Nature Communications	<u>375</u>	492
6.	The Lancet	<u>368</u>	678
7.	Neural Information Processing Systems	<u>337</u>	614
8.	Advanced Materials	<u>327</u>	420
9.	Cell	<u>320</u>	482
10.	International Conference on Learning Representations	<u>304</u>	584
11.	JAMA	<u>298</u>	498
12.	Science of The Total Environment	<u>297</u>	436
13.	IEEE/CVF International Conference on Computer Vision	<u>291</u>	484
14.	Angewandte Chemie International Edition	<u>281</u>	361
15.	Nature Medicine	<u>274</u>	474
16.	Journal of Cleaner Production	<u>272</u>	359
17.	International Conference on Machine Learning	<u>268</u>	424
18.	Chemical Reviews	<u>267</u>	461
19.	Proceedings of the National Academy of Sciences	<u>267</u>	405
20.	IEEE Transactions on Pattern Analysis and Machine Intelligence	<u>266</u>	331

3. Structure of my paper

→ Use template from publisher, e.g.

- IEEE template, ACM, ...

→ "I love LaTeX"

- focus on writing, not formatting
- **Overleaf** for collaboration

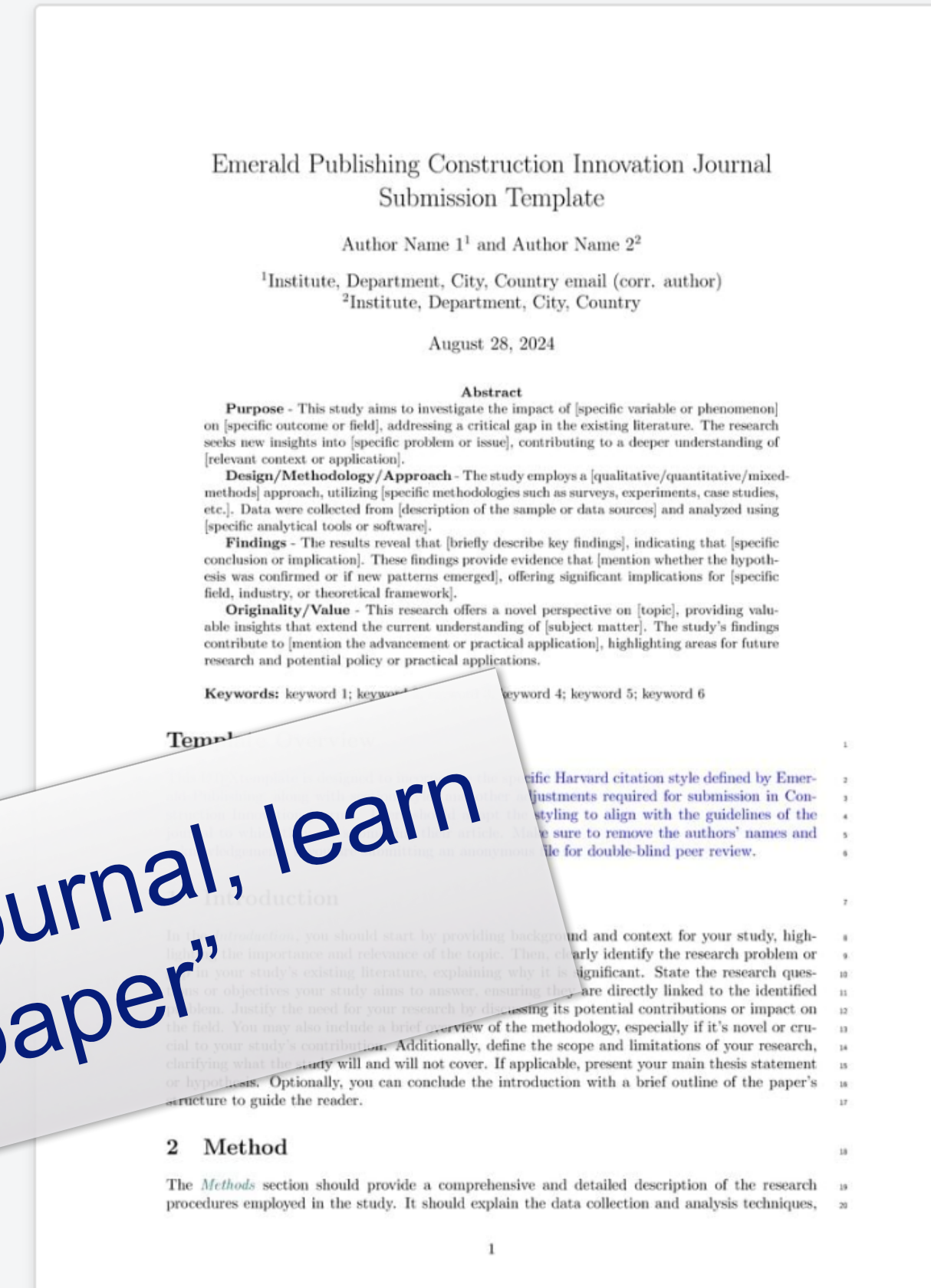
→ Learn from good papers



IEEE Article Template

This is the official template for LaTeX submissions t...

IEEE (Institute of Emerging and Computer Engineers Inc)



Emerald Publishing - Construction Innovation J...

This LaTeX template is designed to incorporate the...

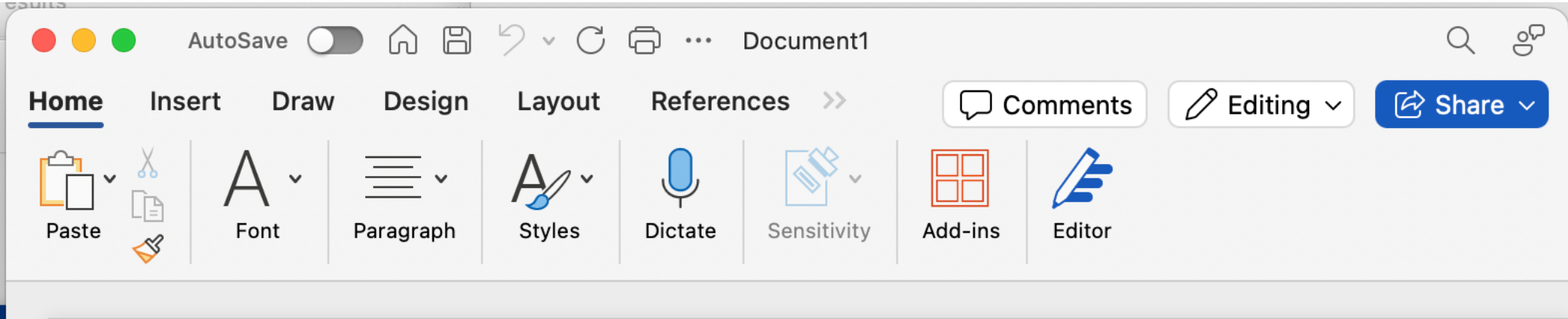
Oleksandr Melnyk

(5) Structure and journal, learn from "best paper"

4. Writing



(6) avoid “blank page” blockage



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51

title = {The impact of school connectivity on rural development}, %

Manuscript title

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ctitle = {The impact of school connectivity on rural development}, %

Manuscript title

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number = {1},

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year = {2024},

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doi = {10.62762/IECE.2024.000000}

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% Data availability

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The data used to support the findings of this study are available from the

corresponding author upon request.}

IECE

IECE Transactions and Journals
<http://dx.doi.org/10.62762/IECE.2024.000000>

ARTICLE

The impact of school connectivity on rural development

J. Noll^{1,2}, B. Author^{2,*} and C. Author²

¹ Department of Technology Systems (ITS), University of Oslo (UiO), Oslo, Norway

² School of B, University of B, Spokane 02139, USA

Abstract

Abstract are usually about 250 words, and for research articles they should give the background to the work, the methodology and the results. IECE strongly encourages authors to use a structured abstract in the following style: (1) Background: puts the problem discussed in a broad context and highlights the purpose of the study, as well as the constraints faced by the study; (2) Methods: briefly describes the main methods or treatments used; (3) Results: summarizes the main findings of the article as well as the shortcomings of the work; and (4) Conclusions: points out the main conclusions or interpretations. The abstract should be an objective representation of the article and should not contain results that are not presented and confirmed in the main text or exaggerate the main conclusions.

1 Introduction

Introduction should be given in this section [1]. Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

2 Related Work

Related Work should be given in this section [2]. Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa

Keywords:

Keywords 1, keywords 2, keywords 3, keywords 4, keywords 5.

Citation

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Scientific Publication - How to

Josef Noll

11

"I don't get writing done"



(7) add bullets/keywords to your paragraph

(9) use "pomodoro" method:
4 x 25 min

(10) write "something" first, then
- revisit after some time
- print and read

(8) create "open issues" for
questions, things that come to your
mind

(11) collaborate - create writing
groups: time of the week

timeslot: every Wednesday 2 hours
- meet, tell your goals (1 min each)
- go writing (50 min)
- meet & report (1 min each)
- go writing (50 min)
- meet, summarise & have lunch

5. Review by your supervisor



5. Review and Publish

- “you are good enough”
 - though ask friends/supervisor for comments

- “a paper can always get better”
 - make it very good, not perfect
 - after the review you

- “don’t be frustrated to get a no”
 - a rejection is part of learning

(12) Get Things Done (GTD)
... and send in

what have I forgotten?

(1) Be critical to literature outcome

(2) build your opinion based on scientific evidence

(3) Adopt a method from others

(4) what is your output?

(5) Structure and journal, learn from “best paper”

(6) avoid “blank page” blockage

(7) add bullets/keywords to your paragraph

(8) create “open issues” for questions, things that come to your mind

(9) use “pomodoro” method: 4 x 25 min

(10) write “something” first, then
- revisit after some time
- print and read

(11) collaborate - create writing groups

(12) Get Things Done (GTD) and submit