First screening #1570671482, entitled: An improved control and monitoring two-different PLC using LabVIEW and NI-OPC server

1 message

-- IJECE for writing format and style
-- https://iaescore.com/gfa/ijece.docx
-- min 25 references primarily to journal papers

Dear Mr. Ignatius Pranowo,

We have reached an initial screening phase regarding your paper submission #1570671482 entitled "An improved control and monitoring two-different PLC using LabVIEW and NI-OPC server" to "International Journal of Electrical and Computer Engineering (IJECE)". The IJECE, ISSN 2088-8708, e-ISSN 2722-2578 is indexed by SCOPUS/ScimagoJR, SJR Q2 (https://www.scopus.com/sourceid/21100373959), SNIP: 1.144; SJR: 0.368; CiteScore: 1.63; and accredited First Grade "SINTA 1" by Ministry of Research and Technology/National Agency for Research and Innovation, Republic of Indonesia (http://sinta.ristekbrin.go.id/journals/detail?id=693).

Our decision is: Revisions Required before review process
A high quality paper should has:
(1) a clear statement of the problem the paper is addressing;
(2) the proposed solution(s); and
(3) results achieved. It describes clearly what has been done before on the
problem, and what is NEW.

The goal of your first revision is to describe NOVEL technical results.
Please note that there are four (4) types of technical results:
(1) An algorithm;
(2) A system construct: such as hardware design, software system, protocol, etc.;
(3) A performance evaluation: obtained through analyses, simulation or measurements;
(4) A theory: consisting of a collection of theorems.

Your revisions should focus on:
(1) Describing the results in sufficient details to establish their validity;
(2) Identifying the novel aspects of the results, i.e., what new knowledge is reported and what makes it non-obvious;
(3) Identifying the significance of the results: what improvements and impact do they suggest.

The main goal of this stage is to ensure that the next person who designs a system like yours doesn't make the same mistakes and takes advantage of some of your best solutions. So make sure that the hard problems (and their solutions) are discussed and the non-obvious mistakes (and how to avoid them) are discussed.

Original/Research paper should be presented with IMRaD style/model:
1. Introduction
2. The Proposed Method/Algorithm/Procedure specifically designed (optional).
Authors may present complex proofs of theorems or non-obvious proofs of correctness of algorithms after introduction section (obvious theorems & straightforward proofs of existing theorems are NOT needed).
3. Research Method
4. Results and Discussion
5. Conclusion.

We will usually expect a minimum of 25 to 30 references primarily to journal papers, depending on the length of the paper. You can found our published papers to enrich your references at:
- http://beei.org
- http://ijeecs.iaescore.com
- http://ijai.iaescore.com
- http://journal.uad.ac.id/index.php/telkomnika
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to improve your paper.

Submit your revised paper within 14 days, and do serious work for updating your paper (upload as new review paper version). Revised paper submission is submitted (as author version) on the same paper ID number through EDAS online system. When your revised paper reached us, it will be sent for single blind peer review by at least three reviewers who will either be members of the Editorial Board or others of similar standing in the field, for contribution, originality, relevance, and presentation. Then, your paper will be judged for final decision of acceptance or rejection.

We look forward to receiving the revised version of your manuscript and are delighted that you chose to send this important work to this journal.

Best Regards,

Assoc. Prof. Dr. Tole Sutikno
Managing Editor,
International Journal of Electrical and Computer Engineering (IJECE)
http://ijece.iaescore.com
email: ijece@iaesjournal.com

Online paper submission: https://edas.info/N27678

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[IJECE 2021] Your paper #1570671482 ('An Improved Control and Monitoring Two-Different PLC Using LabVIEW and NI-OPC Server')

1 message

-- Similarity score of camera-ready paper must be less than 25%.
-- Paper with single author is PROHIBITED (NOT allowed, will be declined)!!
-- Please Strictly use & follow to the template Manuscripts: http://iaescore.com/gfa/ijece.docx
-- Number of minimum references for original research paper is 25 references (and minimum 20 recent journal articles).
-- Number of minimum references for review paper is 50 references (and minimum 40 recent journal articles).

Dear Mr. Ignatius Pranowo,

Congratulations!!, Your paper #1570671482 ('An Improved Control and Monitoring Two-Different PLC Using LabVIEW and NI-OPC Server') for the International Journal of Electrical and Computer Engineering has been ACCEPTED with minor revisions. The IJECE, ISSN 2088-8708, e-ISSN 2722-2578 (http://ijece.iaescore.com) is a SCOPUS indexed Journal, SNIP: 1.144; SJR: 0.368; CiteScore: 1.63; SJR & CiteScore Q2 on both of the Electrical & Electronics Engineering, and Computer Science). This journal is open to submission from scholars and experts in the wide areas of electrical, electronics, instrumentation, control, robotics, telecommunication, computer engineering, computer science, information system, information technology and informatics from the global world. The aim of this journal is to publish high-quality articles dedicated to all aspects of the latest outstanding developments in the field of electrical engineering. Its scope encompasses the applications of Telecommunication and Information Technology, Applied Computing and Computer, Instrumentation and Control, Electrical (Power), and Electronics Engineering.

Please make the necessary changes based on reviewers' comments and suggestions. The reviews are below or can be found at https://edas.info/showPaper.php?m=1570671482. Please prepare your final camera ready paper (in MS Word file format) adheres every detail of the guide of authors (http://iaescore.com/gfa/ijece.docx), and check it for spelling/grammatical mistakes. Please explain more your proposed method/approach/platform/algorithm... clearly. Smoothly method explanation are the one of main reasons to judge article quality and your article potentially receives a high citation number.

The goal of this camera ready paper is to describe NOVEL TECHNICAL RESULTS.

For original research paper, there are four (4) types of novel technical results:

1) An algorithm;
2) A system construct: such as hardware design, software system, protocol, etc.; The main goal of your revised paper is to ensure that the next person who designs a system like yours doesn't make the same mistakes and takes advantage of some of your best solutions. So make sure that the hard problems (and their solutions) are discussed and the non-obvious mistakes (and how to avoid them) are discussed;
3) A performance evaluation: obtained through analyses, simulation or measurements; or
4) A theory: consisting of a collection of theorems.

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1) Describing the results in sufficient details to establish their validity;
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3) Identifying the significance of the results: what improvements and impact do they suggest.
Number of minimum references for original research paper is 25 references (and minimum 20 recently journal articles).

For review paper, the paper should present a critical, constructive analysis of the literature in a specific field through summary, classification, analysis and comparison. The function and goal of the review paper is:
1) to organize literature;
2) to evaluate literature;
3) to identify patterns and trends in the literature;
4) to synthesize literature; or
5) to identify research gaps and recommend new research areas.
The structure includes:
1. Title – in this case does not indicate that it is a review article.
2. Abstract – includes a description of subjects covered.
3. Introduction includes a description of context (paragraph 1-3), motivation for review (paragraph 4, sentence 1) and defines the focus (paragraph 4, sentences 2-3)
4. Body – structured by headings and subheadings
5. Conclusion – states the implications of the findings and an identifies possible new research fields
6. References ("Literature Review") – organised by number in the order they were cited in the text.
Number of minimum references for review paper is 50 references (and minimum 40 recently journal articles).

For improving your paper, please read our published papers and cite them as appropriate. Search within https://www.scopus.com/results/results.uri?sort=plf-f&src=s&sid=90160d3b2e0c1bf832c0e527ac637f1f&sot=a&sdt=a&sl=104&s=SOURCE-ID+%2821100258382%29+OR+SOURCE-ID+%2821100799500%29+OR+SOURCE-ID+%2821100826382%29+OR+SOURCE-ID+%2821100901206%29&origin=searchadvanced&editSaveSearch=&txGid=ffd3eec18a3e2b02c27d170a4e767665 in the upper left side by typing your keywords to find related papers. For your information, according to international regulations, **similarity score of camera-ready paper must be less than 25%. Paper with single author is PROHIBITED (NOT allowed, will be declined)**. The Editor(s) will check whether the final version has been performed and already address the reviewers' comments or not. **Failing to do proper revision may lead to the rejection of your paper.**

Authors MUST upload your final manuscript through EDAS online system for similarity checking by EDAS.
You also must submit your:
- **final camera ready paper**,
- **similarity checking report** (by *iThenticate* or *Turnitin* software), and
- **payment evidence**
to: ijece@iaesjournal.com within **8 weeks**.

I look forward for your response

Sincerely yours,
Prof. nzw. dr hab. inz. Lech M. Grzesiak
Editor-in-Chief,
International Journal of Electrical and Computer Engineering
http://ijece.iaescore.com
email: ijece@iaesjournal.com

Online paper submission: https://edas.info/N27678

Below is the reviews on your papers:

Review 1

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Borderline Accept (5)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Accept (9)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

The problem is interesting and has goo applications. The motivation is clear. However, the study involves two different PLC controllers only. Can the study be presented so that the result is more general? For example, can we still use the NI-OPC Server if we use other PLC controllers?

The presentation of the paper still be improved. The figures are too small to read. For example Figure 2, the windows explorer of the left is far too small compared to the other object. The grammar also needs to be checked thoroughly. Example: "Further work should be finished building up the web base, so the communication among the controllers can be observed and control remotely.", the word control should be controlled.

Recommendation: Your overall rating.

Borderline Accept (5)

Review 2

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Accept (9)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Accept (9)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

Excellent description of experimental system and apparatus, and drawing rationale with results reported in this submission.

Recommendation: Your overall rating.

Accept (9)

Review 3

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Accept (9)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Accept (9)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

This paper is well-organized, and it discusses a very important topic of research. This paper has many new interesting results that are enough to considered for the acceptance in this prestigious journal. This paper has a good level of novelty. However, there are some minor typos and grammatical errors that can be easily fixed to improve the paper's quality. In addition, references need be standardized according to one referencing style.

Recommendation: Your overall rating.

Accept (9)

Revision review 4

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Borderline Accept (5)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Borderline Accept (5)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

- The abstract is too wide. The abstract can be revised to include brief information of the proposed approach. Authors may improve the abstract by including the existing challenges, motivations and outcomes of the paper.
- The scientific contribution of this work is not clearly stated.
- To use a lumped list of references is not helpful to the readers. Either reduce them or indicate what each reference adds to the specific introduction.
- The authors refer to a SCADA system, but to the reviewer's knowledge Labview is a programming environment with data acquisition aspects that are far away from the architecture of a SCADA system. Provide respective justification or rephrase the reference to an architecture that is not apparent when a Labview environment is used.
- Some sections are similar to a user manual instead of a scientific paper, e.g. Subsection 3.1. Please include the aspects of your work that adds to the scientific advancement of the field.
- It is very unclear how the control is improved by the developments of this. It is suggested to present a clear case study to show the before and after situation of the involved processes.

Recommendation: Your overall rating.

Borderline Accept (5)

Revision review 5

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Weak Accept (7)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Weak Accept (7)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

The abstract and conclusion needs quantification. section 4 needs clarity.

Recommendation: Your overall rating.

Weak Accept (7)

Revision review 6

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Accept (9)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Weak Accept (7)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

This paper proposed an improved control and monitoring between two different programmable controllers, Mitsubishi and Omron Programmable Logic Controller (PLC). The fundamental bit of leeway of the technique is the interoperability and communication between both programmable controllers.

good paper to be improved with minor corrections

Recommendation: Your overall rating.

Weak Accept (7)

Revision review 7

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Borderline Accept (5)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Weak Reject (3)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

Language is very poor and confusing. The paper needs to be edited perhaps with some professional help. It looks like the paper is just a demonstration of the capabilities of the NI OPC server.

Recommendation: Your overall rating.

Borderline Accept (5)

Revision review 8

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Weak Reject (3)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Reject (1)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

1. Grammar needs to be improved throughout the title, abstract, and paper.

2. The real need for the cross control of PLCs is not described convincingly.

3. There are no evaluation metrics, nor is there a discussion of how this control methodology would be scaled, the type of problems likely to be encountered etc.

4. I recommend a more foundational review and presentation of the actual pain points addressed, along with alternates and long-term feasibility analysis.

Recommendation: Your overall rating.

Weak Reject (3)

Please pay an attention to double check your final camera ready paper:

(1) TEMPLATE, Please Strictly use and follow to the template Manuscripts (Word Format): http://iaescore.com/gfa/ijece.docx or http://iaescore.com/gfa/ijece.rar (LaTeX format). If you use LaTeX, submit your LaTeX source files to ijece@iaesjournal.com

For original research paper:
(2) Authors are suggested to present their articles with **IMRaD** sections structure (outline): **1. Introduction** - 2. The Proposed Method/Algorithm/Procedure specifically designed (*optional*). Authors may present complex proofs of theorems or non-obvious proofs of correctness of algorithms after introduction section (obvious theorems & straightforward proofs of existing theorems are NOT needed) - **3. Method** - **4. Results and Discussion** – **5. Conclusion**.

(3) Introduction section (**without sub-sections**): explain the context of the study and state the precise objective. An Introduction should contain the following three elements (**within 3-6 paragraphs**):

- Background: Authors have to make clear what the context is. Ideally, authors should give an idea of the ***state-of-the art*** of the field the report is about.
- The Problem: **If there was no problem, there would be no reason for writing a manuscript,** and definitely no reason for reading it. So, please tell readers why they should proceed reading. Experience shows that for this part a few lines are often sufficient.
- The proposed solution: Now and only now! - authors may outline the contribution of the manuscript. Here authors have to make sure readers point out **what are the novel aspects of authors work**. Authors should place the paper in proper context by citing relevant papers. At least, 15 references (recent journal articles) are cited to support this section.

(4) Method section: **the presentation of the experimental methods should be clear and complete in every detail facilitating reproducibility by other scientists.**

(5) Results and discussion section: The presentation of results should be simple and straightforward in style. **This section report the most important findings**, including results of statistical analyses as appropriate and comparisons to other research results. This is where the author(s) should explain in words what he/she/they discovered in the research.

(6) (URGENT)!!! About Figures & Tables in your manuscript:

- Because tables and figures supplement the text, all tables and figures should be REFERENCED in the text. **Authors MUST EXPLAIN what the reader should look for when using the table or figure**. Focus only on the important point the reader should draw from them, and leave the details for the reader to examine on her own.
- Tables are to be presented with single horizontal line under: the table caption, the column headings and at the end of the table. All tables are produced by creating tables in MS Word. Captured tables are NOT allowed.
- All figures MUST in high quality images

(7) Conclusion section: Summarize sentences the primary outcomes of the study in a paragraph. Are the claims in this section supported by the results, do they seem reasonable? Have the authors indicated how the results relate to expectations and to earlier research? Does the article support or contradict previous theories? Does the conclusion explain how the research has moved the body of scientific knowledge forward?

(8) Please ensure the maximum page of your final paper is 8-page, but still allowed up to 12 pages (required to pay an extra fee).

In order to cover part of the event cost, each accepted paper will be charged: USD 295.
This article publication is to support the cost of wide open access dissemination of research results, to manage the various costs associated with handling and editing of the submitted manuscripts, and the Journal management and publication in general, the authors or the author's institution is requested to pay a publication fee for each article accepted. The USD 295 fee covers the standard eight (8) pages manuscript. For every additional page an extra fee of USD 50 per page will be charged. We really appreciate for collaboration papers, and are not appreciate papers with a single (sole) author. Paper with a single author is charged twice of the above fee (USD 590), and if any published manuscript over 8 pages will incur extra charges USD 100 per page.

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[IJECE 2021] Your paper #1570671482 ('An Improved Control and Monitoring Two-Different PLC Using LabVIEW and NI-OPC Server')

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Please make the necessary changes based on reviewers' comments and suggestions. The reviews are below or can be found at https://edas.info/showPaper.php?m=1570671482. Please prepare your final camera ready paper (in MS Word file format) adheres every detail of the guide of authors (http://iaescore.com/gfa/ijece.docx), and check it for spelling/grammatical mistakes. Please explain more about your proposed method/approach/platform/algorithm... clearly. Smoothly method explanations are the one of main reasons to judge article quality and your article potentially receives a high citation number.

The goal of this camera ready paper is to describe NOVEL TECHNICAL RESULTS.

For original research paper, there are four (4) types of novel technical results:

1) An algorithm;
2) A system construct: such as hardware design, software system, protocol, etc.; The main goal of your revised paper is to ensure that the next person who designs a system like yours doesn't make the same mistakes and takes advantage of some of your best solutions. So make sure that the hard problems (and their solutions) are discussed and the non-obvious mistakes (and how to avoid them) are discussed;
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5. Conclusion – states the implications of the findings and an identifies possible new research fields
6. References ("Literature Review") – organised by number in the order they were cited in the text.
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For improving your paper, please read our published papers and cite them as appropriate. Search within https://www.scopus.com/results/results.uri?sort=plf-f&src=s&sid=90160d3b2e0c1bf832c0e527ac637f1f&sot=a&sdt=a&sl=104&s=SOURCE-ID+%2821100258382%29+OR+SOURCE-ID+%2821100799500%29+OR+SOURCE-ID+%2821100826382%29+OR+SOURCE-ID+%2821100901206%29&origin=searchadvanced&editSaveSearch=&txGid=ffd3eec18a3e2b02c27d170a4e767665 in the upper left side by typing your keywords to find related papers. For your information, according to international regulations, **similarity score of camera-ready paper must be less than 25%. Paper with single author is PROHIBITED (NOT allowed, will be declined)**. The Editor(s) will check whether the final version has been performed and already address the reviewers' comments or not. **Failing to do proper revision may lead to the rejection of your paper.**

Authors MUST upload your final manuscript through EDAS online system for similarity checking by EDAS.
You also must submit your:
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- **similarity checking report** (by *iThenticate* or *Turnitin* software), and
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to: ijece@iaesjournal.com within **8 weeks**.

I look forward for your response

Sincerely yours,
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Online paper submission: https://edas.info/N27678

Below is the reviews on your papers:

Review 1

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Borderline Accept (5)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Accept (9)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

The problem is interesting and has goo applications. The motivation is clear. However, the study involves two different PLC controllers only. Can the study be presented so that the result is more general? For example, can we still use the NI-OPC Server if we use other PLC controllers?

The presentation of the paper still be improved. The figures are too small to read. For example Figure 2, the windows explorer of the left is far too small compared to the other object. The grammar also needs to be checked thoroughly. Example: "Further work should be finished building up the web base, so the communication among the controllers can be observed and control remotely.", the word control should be controlled.

Recommendation: Your overall rating.

Borderline Accept (5)

Review 2

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Accept (9)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Accept (9)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

Excellent description of experimental system and apparatus, and drawing rationale with results reported in this submission.

Recommendation: Your overall rating.

Accept (9)

Review 3

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Accept (9)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Accept (9)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

This paper is well-organized, and it discusses a very important topic of research. This paper has many new interesting results that are enough to considered for the acceptance in this prestigious journal. This paper has a good level of novelty. However, there are some minor typos and grammatical errors that can be easily fixed to improve the paper's quality. In addition, references need be standardized according to one referencing style.

Recommendation: Your overall rating.

Accept (9)

Revision review 4

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Borderline Accept (5)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Borderline Accept (5)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

- The abstract is too wide. The abstract can be revised to include brief information of the proposed approach. Authors may improve the abstract by including the existing challenges, motivations and outcomes of the paper.
- The scientific contribution of this work is not clearly stated.
- To use a lumped list of references is not helpful to the readers. Either reduce them or indicate what each reference adds to the specific introduction.
- The authors refer to a SCADA system, but to the reviewer's knowledge Labview is a programming environment with data acquisition aspects that are far away from the architecture of a SCADA system. Provide respective justification or rephrase the reference to an architecture that is not apparent when a Labview environment is used.
- Some sections are similar to a user manual instead of a scientific paper, e.g. Subsection 3.1. Please include the aspects of your work that adds to the scientific advancement of the field.
- It is very unclear how the control is improved by the developments of this. It is suggested to present a clear case study to show the before and after situation of the involved processes.

Recommendation: Your overall rating.

Borderline Accept (5)

Revision review 5

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Weak Accept (7)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Weak Accept (7)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

The abstract and conclusion needs quantification. section 4 needs clarity.

Recommendation: Your overall rating.

Weak Accept (7)

Revision review 6

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Accept (9)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Weak Accept (7)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

This paper proposed an improved control and monitoring between two different programmable controllers, Mitsubishi and Omron Programmable Logic Controller (PLC). The fundamental bit of leeway of the technique is the interoperability and communication between both programmable controllers.

good paper to be improved with minor corrections

Recommendation: Your overall rating.

Weak Accept (7)

Revision review 7

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Borderline Accept (5)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Weak Reject (3)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

Language is very poor and confusing. The paper needs to be edited perhaps with some professional help. It looks like the paper is just a demonstration of the capabilities of the NI OPC server.

Recommendation: Your overall rating.

Borderline Accept (5)

Revision review 8

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Weak Reject (3)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Reject (1)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

1. Grammar needs to be improved throughout the title, abstract, and paper.

2. The real need for the cross control of PLCs is not described convincingly.

3. There are no evaluation metrics, nor is there a discussion of how this control methodology would be scaled, the type of problems likely to be encountered etc.

4. I recommend a more foundational review and presentation of the actual pain points addressed, along with alternates and long-term feasibility analysis.

Recommendation: Your overall rating.

Weak Reject (3)

Please pay an attention to double check your final camera ready paper:

(1) TEMPLATE, Please Strictly use and follow to the template Manuscripts (Word Format): http://iaescore.com/gfa/ijece.docx or http://iaescore.com/gfa/ijece.rar (LaTeX format). If you use LaTeX, submit your LaTeX source files to ijece@iaesjournal.com

For original research paper:
(2) Authors are suggested to present their articles with **IMRaD** sections structure (outline): **1. Introduction** - 2. The Proposed Method/Algorithm/Procedure specifically designed (*optional).* Authors may present complex proofs of theorems or non-obvious proofs of correctness of algorithms after introduction section (obvious theorems & straightforward proofs of existing theorems are NOT needed) - **3. Method** - **4. Results and Discussion** – **5. Conclusion**.

(3) Introduction section (**without sub-sections**): explain the context of the study and state the precise objective. An Introduction should contain the following three elements (**within 3-6 paragraphs**):

- Background: Authors have to make clear what the context is. Ideally, authors should give an idea of the ***state-of-the art*** of the field the report is about.
- The Problem: **If there was no problem, there would be no reason for writing a manuscript,** and definitely no reason for reading it. So, please tell readers why they should proceed reading. Experience shows that for this part a few lines are often sufficient.
- The proposed solution: Now and only now! - authors may outline the contribution of the manuscript. Here authors have to make sure readers point out **what are the novel aspects of authors work**. Authors should place the paper in proper context by citing relevant papers. At least, 15 references (recent journal articles) are cited to support this section.

(4) Method section: **the presentation of the experimental methods should be clear and complete in every detail facilitating reproducibility by other scientists.**

(5) Results and discussion section: The presentation of results should be simple and straightforward in style. **This section report the most important findings**, including results of statistical analyses as appropriate and comparisons to other research results. This is where the author(s) should explain in words what he/she/they discovered in the research.

(6) (URGENT)!!! About Figures & Tables in your manuscript:

- Because tables and figures supplement the text, all tables and figures should be REFERENCED in the text. **Authors MUST EXPLAIN what the reader should look for when using the table or figure**. Focus only on the important point the reader should draw from them, and leave the details for the reader to examine on her own.
- Tables are to be presented with single horizontal line under: the table caption, the column headings and at the end of the table. All tables are produced by creating tables in MS Word. Captured tables are NOT allowed.
- All figures MUST in high quality images

(7) Conclusion section: Summarize sentences the primary outcomes of the study in a paragraph. Are the claims in this section supported by the results, do they seem reasonable? Have the authors indicated how the results relate to expectations and to earlier research? Does the article support or contradict previous theories? Does the conclusion explain how the research has moved the body of scientific knowledge forward?

(8) Please ensure the maximum page of your final paper is 8-page, but still allowed up to 12 pages (required to pay an extra fee).

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First screening #1570671482, entitled: An improved control and monitoring two-different PLC using LabVIEW and NI-OPC server

1 message

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ijece@iaesjournal.com <ijece=iaesjournal.com@edas.info>   Fri, Aug 21, 2020 at 11:15 PM
Reply-To: ijece@iaesjournal.com
To: Ignatius Deradjad Pranowo <dradjad@pmsd.ac.id>, Dian Artanto <dian.artanto@pmsd.ac.id>

-- IJECE for writing format and style
-- https://iaescore.com/gfa/ijece.docx
-- min 25 references primarily to journal papers

Dear Mr. Ignatius Pranowo,

We have reached an initial screening phase regarding your paper submission #1570671482 entitled "An improved control and monitoring two-different PLC using LabVIEW and NI-OPC server" to "International Journal of Electrical and Computer Engineering (IJECE)". The IJECE, ISSN 2088-8708, e-ISSN 2722-2578 is indexed by SCOPUS/ScimagoJR, SJR Q2 (https://www.scopus.com/sourceid/21100373959), SNIP: 1.144; SJR: 0.368; CiteScore: 1.63; and accredited First Grade "SINTA 1" by Ministry of Research and Technology/National Agency for Research and Innovation, Republic of Indonesia (http://sinta.ristekbrin.go.id/journals/detail?id=693).

Our decision is: Revisions Required before review process
A high quality paper should has:
(1) a clear statement of the problem the paper is addressing;
(2) the proposed solution(s); and
(3) results achieved. It describes clearly what has been done before on the
problem, and what is NEW.

The goal of your first revision is to describe NOVEL technical results.
Please note that there are four (4) types of technical results:
(1) An algorithm;
(2) A system construct: such as hardware design, software system, protocol, etc.;
(3) A performance evaluation: obtained through analyses, simulation or measurements;
(4) A theory: consisting of a collection of theorems.

Your revisions should focus on:
(1) Describing the results in sufficient details to establish their validity;
(2) Identifying the novel aspects of the results, i.e., what new knowledge is reported and what makes it non-obvious;
(3) Identifying the significance of the results: what improvements and impact do they suggest.

The main goal of this stage is to ensure that the next person who designs a system like yours doesn't make the same mistakes and takes advantage of some of your best solutions. So make sure that the hard problems (and their solutions) are discussed and the non-obvious mistakes (and how to avoid them) are discussed.

Original/Research paper should be presented with IMRaD style/model:
1. Introduction
2. The Proposed Method/Algorithm/Procedure specifically designed (optional).
Authors may present complex proofs of theorems or non-obvious proofs of correctness of algorithms after introduction section (obvious theorems & straightforward proofs of existing theorems are NOT needed).
3. Research Method
4. Results and Discussion
5. Conclusion.

We will usually expect a minimum of 25 to 30 references primarily to journal papers, depending on the length of the paper. You can found our published papers to enrich your references at:
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Submit your revised paper within 14 days, and do serious work for updating your paper (upload as new review paper version). Revised paper submission is submitted (as author version) on the same paper ID number through EDAS online system. When your revised paper reached us, it will be sent for single blind peer review by at least three reviewers who will either be members of the Editorial Board or others of similar standing in the field, for contribution, originality, relevance, and presentation. Then, your paper will be judged for final decision of acceptance or rejection.

We look forward to receiving the revised version of your manuscript and are delighted that you chose to send this important work to this journal.

Best Regards,

Assoc. Prof. Dr. Tole Sutikno
Managing Editor,
International Journal of Electrical and Computer Engineering (IJECE)
http://ijece.iaescore.com
email: ijece@iaesjournal.com

Online paper submission: https://edas.info/N27678

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[IJECE 2021] Your paper #1570671482 ('An Improved Control and Monitoring Two-Different PLC Using LabVIEW and NI-OPC Server')

1 message

Ijece Editor (ijece@iaesjournal.com) <ijece=iaesjournal.com@edas.info>   Tue, Aug 31, 2021 at 11:03 PM
Reply-To: Ijece Editor <ijece@iaesjournal.com>
To: Ignatius Deradjad Pranowo <dradjad@pmsd.ac.id>, Dian Artanto <dian.artanto@pmsd.ac.id>

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-- Number of minimum references for original research paper is 25 references (and minimum 20 recent journal articles).
-- Number of minimum references for review paper is 50 references (and minimum 40 recent journal articles).

Dear Mr. Ignatius Pranowo,

Congratulations!!, Your paper #1570671482 ('An Improved Control and Monitoring Two-Different PLC Using LabVIEW and NI-OPC Server') for the International Journal of Electrical and Computer Engineering has been ACCEPTED with minor revisions. The IJECE, ISSN 2088-8708, e-ISSN 2722-2578 (http://ijece.iaescore.com) is a SCOPUS indexed Journal, SNIP: 1.144; SJR: 0.368; CiteScore: 1.63; SJR & CiteScore Q2 on both of the Electrical & Electronics Engineering, and Computer Science). This journal is open to submission from scholars and experts in the wide areas of electrical, electronics, instrumentation, control, robotics, telecommunication, computer engineering, computer science, information system, information technology and informatics from the global world. The aim of this journal is to publish high-quality articles dedicated to all aspects of the latest outstanding developments in the field of electrical engineering. Its scope encompasses the applications of Telecommunication and Information Technology, Applied Computing and Computer, Instrumentation and Control, Electrical (Power), and Electronics Engineering.

Please make the necessary changes based on reviewers' comments and suggestions. The reviews are below or can be found at https://edas.info/showPaper.php?m=1570671482. Please prepare your final camera ready paper (in MS Word file format) adheres every detail of the guide of authors (http://iaescore.com/gfa/ijece.docx), and check it for spelling/grammatical mistakes. Please explain more your proposed method/approach/platform/algorithm... clearly. Smoothly method explanation are the one of main reasons to judge article quality and your article potentially receives a high citation number.

The goal of this camera ready paper is to describe NOVEL TECHNICAL RESULTS.

For original research paper, there are four (4) types of novel technical results:

1) An algorithm;
2) A system construct: such as hardware design, software system, protocol, etc.; The main goal of your revised paper is to ensure that the next person who designs a system like yours doesn't make the same mistakes and takes advantage of some of your best solutions. So make sure that the hard problems (and their solutions) are discussed and the non-obvious mistakes (and how to avoid them) are discussed;
3) A performance evaluation: obtained through analyses, simulation or measurements; or
4) A theory: consisting of a collection of theorems.

Your final camera ready paper should focus on:
1) Describing the results in sufficient details to establish their validity;
2) Identifying the novel aspects of the results, i.e., what new knowledge is reported and what makes it non-obvious; and
3) Identifying the significance of the results: what improvements and impact do they suggest.
Number of minimum references for original research paper is 25 references (and minimum 20 recently journal articles).

For review paper, the paper should present a critical, constructive analysis of the literature in a specific field through summary, classification, analysis and comparison. The function and goal of the review paper is:
1) to organize literature;
2) to evaluate literature;
3) to identify patterns and trends in the literature;
4) to synthesize literature; or
5) to identify research gaps and recommend new research areas.
The structure includes:
1. Title – in this case does not indicate that it is a review article.
2. Abstract – includes a description of subjects covered.
3. Introduction includes a description of context (paragraph 1-3), motivation for review (paragraph 4, sentence 1) and defines the focus (paragraph 4, sentences 2-3)
4. Body – structured by headings and subheadings
5. Conclusion – states the implications of the findings and an identifies possible new research fields
6. References ("Literature Review") – organised by number in the order they were cited in the text.
Number of minimum references for review paper is 50 references (and minimum 40 recently journal articles).

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Below is the reviews on your papers:

Review 1

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Borderline Accept (5)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Accept (9)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

The problem is interesting and has goo applications. The motivation is clear. However, the study involves two different PLC controllers only. Can the study be presented so that the result is more general? For example, can we still use the NI-OPC Server if we use other PLC controllers?

The presentation of the paper still be improved. The figures are too small to read. For example Figure 2, the windows explorer of the left is far too small compared to the other object. The grammar also needs to be checked thoroughly. Example: "Further work should be finished building up the web base, so the communication among the controllers can be observed and control remotely.", the word control should be controlled.

Recommendation: Your overall rating.

Borderline Accept (5)

Review 2

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Accept (9)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Accept (9)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

Excellent description of experimental system and apparatus, and drawing rationale with results reported in this submission.

Recommendation: Your overall rating.

Accept (9)

Review 3

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Accept (9)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Accept (9)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

This paper is well-organized, and it discusses a very important topic of research. This paper has many new interesting results that are enough to considered for the acceptance in this prestigious journal. This paper has a good level of novelty. However, there are some minor typos and grammatical errors that can be easily fixed to improve the paper's quality. In addition, references need be standardized according to one referencing style.

Recommendation: Your overall rating.

Accept (9)

Revision review 4

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Borderline Accept (5)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Borderline Accept (5)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

- The abstract is too wide. The abstract can be revised to include brief information of the proposed approach. Authors may improve the abstract by including the existing challenges, motivations and outcomes of the paper.
- The scientific contribution of this work is not clearly stated.
- To use a lumped list of references is not helpful to the readers. Either reduce them or indicate what each reference adds to the specific introduction.
- The authors refer to a SCADA system, but to the reviewer's knowledge Labview is a programming environment with data acquisition aspects that are far away from the architecture of a SCADA system. Provide respective justification or rephrase the reference to an architecture that is not apparent when a Labview environment is used.
- Some sections are similar to a user manual instead of a scientific paper, e.g. Subsection 3.1. Please include the aspects of your work that adds to the scientific advancement of the field.
- It is very unclear how the control is improved by the developments of this. It is suggested to present a clear case study to show the before and after situation of the involved processes.

Recommendation: Your overall rating.

Borderline Accept (5)

Revision review 5

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Weak Accept (7)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Weak Accept (7)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

The abstract and conclusion needs quantification. section 4 needs clarity.

Recommendation: Your overall rating.

Weak Accept (7)

Revision review 6

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Accept (9)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

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This paper proposed an improved control and monitoring between two different programmable controllers, Mitsubishi and Omron Programmable Logic Controller (PLC). The fundamental bit of leeway of the technique is the interoperability and communication between both programmable controllers.

good paper to be improved with minor corrections

Recommendation: Your overall rating.

Weak Accept (7)

Revision review 7

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Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Weak Reject (3)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

Language is very poor and confusing. The paper needs to be edited perhaps with some professional help. It looks like the paper is just a demonstration of the capabilities of the NI OPC server.

Recommendation: Your overall rating.

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Revision review 8

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Weak Reject (3)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Reject (1)

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- The proposed solution: Now and only now! - authors may outline the contribution of the manuscript. Here authors have to make sure readers point out **what are the novel aspects of authors work**. Authors should place the paper in proper context by citing relevant papers. At least, 15 references (recent journal articles) are cited to support this section.

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(7) Conclusion section: Summarize sentences the primary outcomes of the study in a paragraph. Are the claims in this section supported by the results, do they seem reasonable? Have the authors indicated how the results relate to expectations and to earlier research? Does the article support or contradict previous theories? Does the conclusion explain how the research has moved the body of scientific knowledge forward?

(8) Please ensure the maximum page of your final paper is 8-page, but still allowed up to 12 pages (required to pay an extra fee).

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[IJECE 2021] Your paper #1570671482 ('An Improved Control and Monitoring Two-Different PLC Using LabVIEW and NI-OPC Server')

1 message

Ijece Editor (ijece@iaesjournal.com) <ijece=iaesjournal.com@edas.info>   Sun, Sep 5, 2021 at 11:25 PM
Reply-To: Ijece Editor <ijece@iaesjournal.com>
To: Ignatius Deradjad Pranowo <dradjad@pmsd.ac.id>, Dian Artanto <dian.artanto@pmsd.ac.id>

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-- Number of minimum references for review paper is 50 references (and minimum 40 recent journal articles).

Dear Mr. Ignatius Pranowo,

Congratulations!!, Your paper #1570671482 ('An Improved Control and Monitoring Two-Different PLC Using LabVIEW and NI-OPC Server') for the International Journal of Electrical and Computer Engineering has been ACCEPTED with minor revisions. The IJECE, ISSN 2088-8708, e-ISSN 2722-2578 (http://ijece.iaescore.com) is a SCOPUS indexed Journal, SNIP: 1.144; SJR: 0.368; CiteScore: 1.63; SJR & CiteScore Q2 on both of the Electrical & Electronics Engineering, and Computer Science). This journal is open to submission from scholars and experts in the wide areas of electrical, electronics, instrumentation, control, robotics, telecommunication, computer engineering, computer science, information system, information technology and informatics from the global world. The aim of this journal is to publish high-quality articles dedicated to all aspects of the latest outstanding developments in the field of electrical engineering. Its scope encompasses the applications of Telecommunication and Information Technology, Applied Computing and Computer, Instrumentation and Control, Electrical (Power), and Electronics Engineering.

Please make the necessary changes based on reviewers' comments and suggestions. The reviews are below or can be found at https://edas.info/showPaper.php?m=1570671482. Please prepare your final camera ready paper (in MS Word file format) adheres every detail of the guide of authors (http://iaescore.com/gfa/ijece.docx), and check it for spelling/grammatical mistakes. Please explain more about your proposed method/approach/platform/algorithm... clearly. Smoothly method explanations are the one of main reasons to judge article quality and your article potentially receives a high citation number.

The goal of this camera ready paper is to describe NOVEL TECHNICAL RESULTS.

For original research paper, there are four (4) types of novel technical results:

1) An algorithm;
2) A system construct: such as hardware design, software system, protocol, etc.; The main goal of your revised paper is to ensure that the next person who designs a system like yours doesn't make the same mistakes and takes advantage of some of your best solutions. So make sure that the hard problems (and their solutions) are discussed and the non-obvious mistakes (and how to avoid them) are discussed;
3) A performance evaluation: obtained through analyses, simulation or measurements; or
4) A theory: consisting of a collection of theorems.

Your final camera ready paper should focus on:
1) Describing the results in sufficient details to establish their validity;
2) Identifying the novel aspects of the results, i.e., what new knowledge is reported and what makes it non-obvious; and
3) Identifying the significance of the results: what improvements and impact do they suggest.
Number of minimum references for original research paper is 25 references (and minimum 20 recent journal articles).

For review paper, the paper should present a critical, constructive analysis of the literature in a specific field through summary, classification, analysis and comparison. The function and goal of the review paper is:
1) to organize literature;
2) to evaluate literature;
3) to identify patterns and trends in the literature;
4) to synthesize literature; or
5) to identify research gaps and recommend new research areas.
The structure includes:
1. Title – in this case does not indicate that it is a review article.
2. Abstract – includes a description of subjects covered.
3. Introduction includes a description of context (paragraph 1-3), motivation for review (paragraph 4, sentence 1) and defines the focus (paragraph 4, sentences 2-3)
4. Body – structured by headings and subheadings
5. Conclusion – states the implications of the findings and an identifies possible new research fields
6. References ("Literature Review") – organised by number in the order they were cited in the text.
The Number of minimum references for review papers is 50 references (and minimum 40 recently journal articles).

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Below is the reviews on your papers:

Review 1

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Borderline Accept (5)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Accept (9)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

The problem is interesting and has goo applications. The motivation is clear. However, the study involves two different PLC controllers only. Can the study be presented so that the result is more general? For example, can we still use the NI-OPC Server if we use other PLC controllers?

The presentation of the paper still be improved. The figures are too small to read. For example Figure 2, the windows explorer of the left is far too small compared to the other object. The grammar also needs to be checked thoroughly. Example: "Further work should be finished building up the web base, so the communication among the controllers can be observed and control remotely.", the word control should be controlled.

Recommendation: Your overall rating.

Borderline Accept (5)

Review 2

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Accept (9)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Accept (9)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

Excellent description of experimental system and apparatus, and drawing rationale with results reported in this submission.

Recommendation: Your overall rating.

Accept (9)

Review 3

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Accept (9)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Accept (9)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

This paper is well-organized, and it discusses a very important topic of research. This paper has many new interesting results that are enough to considered for the acceptance in this prestigious journal. This paper has a good level of novelty. However, there are some minor typos and grammatical errors that can be easily fixed to improve the paper's quality. In addition, references need be standardized according to one referencing style.

Recommendation: Your overall rating.

Accept (9)

Revision review 4

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Borderline Accept (5)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Borderline Accept (5)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

- The abstract is too wide. The abstract can be revised to include brief information of the proposed approach. Authors may improve the abstract by including the existing challenges, motivations and outcomes of the paper.
- The scientific contribution of this work is not clearly stated.
- To use a lumped list of references is not helpful to the readers. Either reduce them or indicate what each reference adds to the specific introduction.
- The authors refer to a SCADA system, but to the reviewer's knowledge Labview is a programming environment with data acquisition aspects that are far away from the architecture of a SCADA system. Provide respective justification or rephrase the reference to an architecture that is not apparent when a Labview environment is used.
- Some sections are similar to a user manual instead of a scientific paper, e.g. Subsection 3.1. Please include the aspects of your work that adds to the scientific advancement of the field.
- It is very unclear how the control is improved by the developments of this. It is suggested to present a clear case study to show the before and after situation of the involved processes.

Recommendation: Your overall rating.

Borderline Accept (5)

Revision review 5

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Weak Accept (7)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Weak Accept (7)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

The abstract and conclusion needs quantification. section 4 needs clarity.

Recommendation: Your overall rating.

Weak Accept (7)

Revision review 6

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Accept (9)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Weak Accept (7)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

This paper proposed an improved control and monitoring between two different programmable controllers, Mitsubishi and Omron Programmable Logic Controller (PLC). The fundamental bit of leeway of the technique is the interoperability and communication between both programmable controllers.

good paper to be improved with minor corrections

Recommendation: Your overall rating.

Weak Accept (7)

Revision review 7

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Borderline Accept (5)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Weak Reject (3)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

Language is very poor and confusing. The paper needs to be edited perhaps with some professional help. It looks like the paper is just a demonstration of the capabilities of the NI OPC server.

Recommendation: Your overall rating.

Borderline Accept (5)

Revision review 8

Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis?

Weak Reject (3)

Paper Presentation: What is your evaluation on the quality of presentation from this paper (e.g. figures, tables, formats, etc.)?

Reject (1)

Detailed Comments: Please provide detailed comments that will be helpful to the TPC for assessing the paper. Also provide feedback to the authors.

1. Grammar needs to be improved throughout the title, abstract, and paper.

2. The real need for the cross control of PLCs is not described convincingly.

3. There are no evaluation metrics, nor is there a discussion of how this control methodology would be scaled, the type of problems likely to be encountered etc.

4. I recommend a more foundational review and presentation of the actual pain points addressed, along with alternates and long-term feasibility analysis.

Recommendation: Your overall rating.

Weak Reject (3)

Please pay an attention to double check your final camera ready paper:

(1) TEMPLATE, Please Strictly use and follow to the template Manuscripts (Word Format): http://iaescore.com/gfa/ijece.docx or http://iaescore.com/gfa/ijece.rar (LaTeX format). If you use LaTeX, submit your LaTeX source files to ijece@iaesjournal.com

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(2) Authors are suggested to present their articles with **IMRaD** sections structure (outline): **1. Introduction** - 2. The Proposed Method/Algorithm/Procedure specifically designed (*optional*). Authors may present complex proofs of theorems or non-obvious proofs of correctness of algorithms after introduction section (obvious theorems & straightforward proofs of existing theorems are NOT needed) - **3. Method** - **4. Results and Discussion** – **5. Conclusion**.

(3) Introduction section (**without sub-sections**): explain the context of the study and state the precise objective. An Introduction should contain the following three elements (**within 3-6 paragraphs**):

- Background: Authors have to make clear what the context is. Ideally, authors should give an idea of the *state-of-the art* of the field the report is about.
- The Problem: **If there was no problem, there would be no reason for writing a manuscript,** and definitely no reason for reading it. So, please tell readers why they should proceed reading. Experience shows that for this part a few lines are often sufficient.
- The proposed solution: Now and only now! - authors may outline the contribution of the manuscript. Here authors have to make sure readers point out **what are the novel aspects of authors work**. Authors should place the paper in proper context by citing relevant papers. At least, 15 references (recent journal articles) are cited to support this section.

(4) Method section: **the presentation of the experimental methods should be clear and complete in every detail facilitating reproducibility by other scientists.**

(5) Results and discussion section: The presentation of results should be simple and straightforward in style. **This section report the most important findings**, including results of statistical analyses as appropriate and comparisons to other research results. This is where the author(s) should explain in words what he/she/they discovered in the research.

(6) (URGENT)!!! About Figures & Tables in your manuscript:

- Because tables and figures supplement the text, all tables and figures should be REFERENCED in the text. **Authors MUST EXPLAIN what the reader should look for when using the table or figure**. Focus only on the important point the reader should draw from them, and leave the details for the reader to examine on her own.
- Tables are to be presented with single horizontal line under: the table caption, the column headings and at the end of the table. All tables are produced by creating tables in MS Word. Captured tables are NOT allowed.
- All figures MUST in high quality images

(7) Conclusion section: Summarize sentences the primary outcomes of the study in a paragraph. Are the claims in this section supported by the results, do they seem reasonable? Have the authors indicated how the results relate to expectations and to earlier research? Does the article support or contradict previous theories? Does the conclusion explain how the research has moved the body of scientific knowledge forward?

(8) Please ensure the maximum page of your final paper is 8-page, but still allowed up to 12 pages (required to pay an extra fee).

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