










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#26468 Summary

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Submission

Authors Padma Nyoman Crisnapati, Dechrit Maneetham, Evi Triandini
 Title Trolls: a novel low-cost controlling system platform for walk-behind tractor
 Original file [26468-50353-5-SM.DOCX](#) 2021-11-09
 Supp. files None
 Submitter Padma Nyoman Crisnapati 
 Date submitted November 9, 2021 - 03:51 AM
 Section Computer Science and Information Technology
 Editor Yilun Shang  (Review)
 Tossapon Boongoen  (Review)
 Haruna Chiroma  (Review)
 Vicente Garcia Diaz  (Review)
 Mohammed Hossny  (Review)
 Hamidah Ibrahim  (Review)
 Giovanni Pau  (Review)
 Ashkan Sami  (Review)




Abstract Views 0

Status

Status Published Vol 13, No 1: February 2023
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Submission Metadata

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 Bio Statement —

Title and Abstract

Title Trolls: a novel low-cost controlling system platform for walk-behind tractor
 Abstract A novel low-cost controlling system platform for walk-behind hand tractors (Quick G3000 and G1000) was designed and developed to solve the fatigue problem faced by farmers when ploughing the rice field. This platform is dedicated to designing and manufacturing mechanical, electrical, and software components. The tractor was modified and added with an embedded control system that functioned as the slave, while the direction of the tractor movement was controlled remotely by humans through Bluetooth communication with the smartphone application as the master. Several servos and direct currents (DCs) were used as the actuator to move some levers and clutches instead of the tractor to make it remotely controllable. This system has been directly tested in the paddy farming land through two tractors: Quick G3000 and G1000. The testing results showed that this system could be used within more or less six hours; there is a cost-efficiency of 21.74% and 84.62% battery usage efficiency. More efficient mechanics caused this cost efficiency, and the reduction in electronic devices affects battery efficiency. A low-cost platform for controlling walk-behind tractors has been successfully developed; this platform assists farmers in ploughing their fields.

Indexing

Academic discipline and sub-disciplines Robotics; Computer and Informatics
 Keywords Android; Control system; Embedded system; Tractor controlling system; Walk-behind hand tractor
 Language en

Supporting Agencies

Agencies Ministry of Research, Technology and Higher Education of the Republic of Indonesia- PPBT 2019

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#26468 Review

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Submission



Authors	Padma Nyoman Crisnapati, Dechrit Maneetham, Evi Triandini 
Title	Trolls: a novel low-cost controlling system platform for walk-behind tractor
Section	Computer Science and Information Technology
	Yilun Shang  (Review)
	Tossapon Boongoen  (Review)
	Haruna Chiroma  (Review)
	Vicente Garcia Diaz  (Review)
	Mohammed Hossny  (Review)
Editor	Hamidah Ibrahim  (Review)
	Giovanni Pau  (Review)
	Ashkan Sami  (Review)

Peer Review

Round 1

Review Version	26468-50374-1-RV.DOCX 2021-11-09
Initiated	2021-11-10
Last modified	2022-05-17
Uploaded file	Reviewer A 26468-51588-1-RV.DOCX 2022-01-17

Editor Decision

Decision	Accept Submission 2022-05-18
Notify Editor	 Editor/Author Email Record  2022-05-18
Editor Version	None
Author Version	26468-51994-1-ED.DOCX 2022-05-14 DELETE
Upload Author Version	<input type="button" value="Choose File"/> No file chosen <input type="button" value="Upload"/>

International Journal of Electrical and Computer Engineering (IJECE)
p-ISSN 2088-8708, e-ISSN 2722-2578

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Fw: [IJECE] Editor Decision: "Trolls: Walk Behind Hand Tractor Controlling System Platform"

Padma Nyoman Crisnapati <padma_c@mail.rmutt.ac.th>

Sat 26/11/2022 10:36 AM

To: Yamin Thwe <yamin_t@mail.rmutt.ac.th>

 3 attachments (13 MB)

2. Similarity Report Turnitin Trolls__A_Novel_Low_Cost_Controlling_System_Plato.pdf; 1. Final Paper - Padma Nyoman Crisnapati- Trolls A Novel Low-Cost Controlling System Platform for Walk-Behind Tractor.docx; 3. Payment Evidence.jpeg;

From: Padma Nyoman Crisnapati <padma_c@mail.rmutt.ac.th>**Sent:** 03 June 2022 5:27 PM**To:** Lech M. Grzesiak <ijece@iaesjournal.com>**Subject:** Re: [IJECE] Editor Decision: "Trolls: Walk Behind Hand Tractor Controlling System Platform"

Dear Prof. Lech M. Grzesiak,

We would like to express our sincere gratitude for your acceptance of our paper "Trolls: A Novel Low-Cost Controlling System Platform for Walk-Behind Tractor" for publication in the International Journal of Electrical and Computer Engineering (IJECE). We have incorporated changes to follow all of the guidelines provided. We have attached the publication requirement documents.

1. Final Paper - Padma Nyoman Crisnapati- Trolls A Novel Low-Cost Controlling System Platform for Walk-Behind Tractor.docx
2. Similarity Report Turnitin Trolls__A_Novel_Low_Cost_Controlling_System_Plato.pdf
3. Payment Evidence.jpeg

We look forward to hearing from you in due time regarding our documents and responding to any further requirements you may have.

Sincerely yours,

Padma Nyoman Crisnapati

From: Lech M. Grzesiak <ijece@iaescore.com>**Sent:** 17 April 2022 2:40 AM**To:** Padma Nyoman Crisnapati <padma_c@mail.rmutt.ac.th>**Cc:** Dechrit <dechrit_m@mail.rmutt.ac.th>; Evi Triandini <evi@stikom-bali.ac.id>**Subject:** [IJECE] Editor Decision: "Trolls: Walk Behind Hand Tractor Controlling System Platform"

The following message is being delivered on behalf of International Journal of Electrical and Computer Engineering (IJECE).

-- Paper ID# 26468-- Adhere the guidelines: <http://iaescore.com/gfa/ijece.docx>

-- Research Paper: Number of minimum references for review paper is 25 references (min 18 recent journal articles)

-- Review Paper: Number of minimum references for review paper is 50 references (min 40 recent journal articles)

Dear Prof/Dr/Mr/Mrs: Padma Nyoman Crisnapati,

We have reached a decision regarding your submission entitled "Trolls: Walk Behind Hand Tractor Controlling System Platform" to International Journal of Electrical and Computer Engineering (IJECE), a Scopus indexed journal, SJR Q2 on Electrical & Electronics Engineering and SJR Q2 on Computer Science.

Our decision is: Revisions Required

Please prepare your revised paper (in MS Word or LATEX file format) adheres every detail of the guide of authors (<http://iaescore.com/gfa/ijece.docx>, or <http://iaescore.com/gfa/ijece.rar> for LATEX file format), and check it for spelling/grammatical mistakes. The goal of your revised paper is to describe novel technical results.

There are four (4) types of technical results:

1. A theory: consisting of a collection of theorems.
2. An algorithm/method/approach/framework/ ... ;
3. 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.
4. A performance evaluation: obtained through analyses, simulation or measurements;

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<http://ijece.iaescore.com/index.php/IJECE/about/editorialPolicies#custom-3>.

Please try to follow the format as closely as possible.

Please submit your revised paper in MS Word file format (or compressed file of your LATEX source files if you presented your paper in LATEX) and submit it through our online system at same ID number (DO NOT as new submission) or simple by reply this email. Then your revised paper will be judged on originality, significance, interest, clarity, relevance, correctness, and presentation; either accepted or rejected.

I look forward for hearing from you

Thank you

Best Regards,

Prof. nzw. dr hab. inz. Lech M. Grzesiak

Warsaw University of Technology, Poland

Editor-in-Chief, International Journal of Electrical and Computer Engineering (IJECE)

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If yes, kindly please cite below::

Does the title of the paper accurately reflect the major focus contribution of this paper?:

If No, Please suggest change of the title as appropriate::

Is the abstract an appropriate and adequate digest of the work?:

If No, Please suggest change of the abstract as appropriate::

Is the paper clear, concise and well organized & presented?:

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Rate of the contribution strength to the field is represented in this paper?:

Rate the scientific quality of the paper?:

Do authors place the paper in proper context by citing relevant papers?:

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Is the paper written in correct English? Is the paper free from obvious errors, misconceptions, or ambiguity?

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Reviewer's comments and suggestions to improve the paper. (If it is not possible, kindly please use separate sheets or a copy of the paper for comments and suggestions for revision. Indicate whether revisions are mandatory or suggested. Please use word processing type format if possible, and then upload or submit via email to ijece@iaesjournal.com)

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International Journal of Electrical and Computer Engineering (IJECE)

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[IJECE] Editor Decision "Trolls: Walk Behind Hand Tractor Controlling System Platform"

Lech M. Grzesiak <ijece@iaescore.com>

Wed 18/05/2022 5:48 PM

To: Padma Nyoman Crisnapati <padma_c@mail.rmutt.ac.th>

Cc: Dechrit <dechrit_m@mail.rmutt.ac.th>; Evi Triandini <evi@stikom-bali.ac.id>

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-- Please attach your similarity report checking that the result is below 25% uses software such as iThenticate or Turnitin

-- Paper will be rescheduled/cancelled for publication, if the similarity index is more than 25%

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Dear Prof/Dr/Mr/Mrs: Padma Nyoman Crisnapati,

It is my great pleasure to inform you that your paper entitled "Trolls: Walk Behind Hand Tractor Controlling System Platform" is ACCEPTED.

Congratulations! Your paper will be published in the International Journal of Electrical and Computer Engineering (IJECE), a Scopus indexed journal, SNIP: 0.833; SJR: 0.277; CiteScore: 2.7; SJR & CiteScore Q2 after fulfill all requirements for publication. The presentation of the simulation and/or experimental setup (in the Method section) must be clear and complete in every detail facilitating reproducibility by other scientists. Present a picture of your simulation and/or experimental setup and describe your work clearly.

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