

Submission Summary

Conference Name

International Conference on Advanced Manufacturing and Materials Engineering 2022

Paper ID

54

Paper Title

Analysis of the Adjusting Bolts System's Contribution to Levelling Error of the Heated Bed in FDM 3D Printer

Abstract

The 3D printer as one of the key technologies in industrial revolution 4.0 has developed rapidly to improve manufacturing efficiency. Various printing machines and methods are invented and the Fused Deposition Modelling (FDM) 3D printer is one of them that works by depositing melted polymer materials layer by layer to form a product. Several problems are still found behind this process where one of which was the difficulties in levelling the heated bed. Small bolts used to adjust the levelness heated bed's platform indicated to contribute to the error during the bed levelling. This research is to analyze how difficult is the levelling set-up process and how the adjusting bolt might involve in leveling error of the heated bed. This research examines three levelling methods to adjust the levelness of a heated bed. Each method was performed three times then the results were checked using the Coordinate Measurement Machine (CMM). The experiment shows all levelling methods resulting levelness deviation that higher than the maximum allowance. The mathematical equation also claimed that the adjusting bolts system may cause the levelness difficulties.

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6/1/2022, 7:07:38 PM

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Primary Subject Area

Machining, Additive and Smart Manufacturing

Submission Files

Icamme-2022-RKA-Blind Submission.pdf (251.6 Kb, 6/1/2022, 7:04:16 PM)

Analysis of the Adjusting Bolts System's Contribution to Levelling Error of the Heated Bed in FDM 3D Printer.pdf (1.3 Mb, 6/1/2022, 7:06:22 PM)

Submission Questions Response**1. Title**

Title

Analysis of the Adjusting Bolts System's Contribution to Levelling Error of the Heated Bed in FDM 3D Printer

2. Keywords

Keywords

Use only lower case (except with abbreviations and names).

FDM 3D printer, heated bed, surface levelness, rapid prototyping

3. Authors Statement

The content of the manuscript have been not copyrighted or published previously

Agreement accepted

4. Authors Statement

The content of the manuscript are not now under consideration for publication elsewhere

Agreement accepted

5. Acknowledgement

Acknowledgement

if applicable

[Not Answered]

6. Similarity Index

Please attached the front page of the similarity indexed. The value should be less than 30% similarity.

Attached in the submission

The value is below 30%

7. Double blind peer review

Lecture Note in Mechanical Engineering follows double blind review. Thus, authors name, authors affiliation and acknowledgement must be removed before reviewing process.

Agreement accepted



Microsoft CMT <email@msr-cmt.org>

Thu, Jun 23, 2022, 7:25 PM



to Rudi, hazleen, shaimihezri, norshahida, zahirani, farahudahalim, adibah, norkhairusshima, shaimihezri, afifahali, syazwani_mohdzaki, natashar, icamme

Dear Rudi Kurniawan Arief,

We are pleased to inform you that your paper "Analysis of the Adjusting Bolts System's Contribution to Levelling Error of the Heated Bed in FDM 3D Printer " has been ACCEPTED for presentation in the virtual conference of 5th International Conference on Advances in Manufacturing and Materials Engineering 2022 (ICAMME 2022) to be hosted by International Islamic University Malaysia (IIUM) Kuala Lumpur during 9 - 10, August, 2022. Please note that the conference registration is compulsory for the presentation and publication of your paper. Upon successful registration and presentation in the ICAMME 2022, your paper will be processed for possible publication in the Lecture Notes in Mechanical Engineering (LNME).

Registration Process:

The registration for ICAMME 2022 is already open, hence you are requested to complete the payment and registration process as soon as possible. Details of the conference fee can be referred at <https://conference.iium.edu.my/icamme/fees/>.

Preceding the payment, kindly follow the guideline available on the website, at <https://conference.iium.edu.my/icamme/payment/>.

For direct transfer, please refer to the payment details below:

Conference Fees: RM300

Banking account details for payments (Local participants)

- Bank: Bank Muamalat Malaysia Berhad (BMMB)
- Account Name: UIAM OPERATING ACCOUNT
- Account Number: 1407-000000-4716
- Swift code: BMMBMYKL
- Branch: International Islamic University Malaysia (IIUM), Gombak, Selangor
- Mode of payment: By Cash Counter at BMMB, or Online Banking.
- Reference payment: Conference name-Paper ID. Example: ICAMME2022-54

SPAM [ICAMME 2022] Revision required for paper ID 54

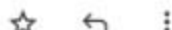
Inbox x



Microsoft CMT <email@msr-cmt.org>

to Rudi

Wed, Jul 27, 2022, 1:58 PM



Dear Rudi Kurniawan Arief,

It is our great pleasure to inform you that the Paper ID 54 entitled " Analysis of the Adjusting Bolts System's Contribution to Levelling Error of the Heated Bed in FDM 3D Printer " which you submitted to International Conference on Advanced Manufacturing and Materials Engineering 2022 (ICAMME 2022) organized by Faculty of Engineering, International Islamic University Malaysia (IIUM) has been reviewed by two reviewers.

You can view the reviewer's comments in the Author Console of your submission for camera-ready submission. Author console URL:<https://cmt3.research.microsoft.com/ICAMME2022>

In order for your paper to be accepted for publication, please follow all the requirements and suggestions by the reviewers. Please take note the number of pages should be SIX pages only to comply with the LNME format.

Please include the authors name, affiliation and acknowledgement in your paper.

The due date for the paper amendment is 7th August 2022.

If you have any enquiry about the conference you may refer to our website <https://conference.iium.edu.my/icamme/> or drop an email to icamme@iium.edu.my.

We are looking forward to meeting you at ICAMME 2022.

Thank you very much.



icamme@iium.edu.my

to rudikarief ▾

📧 Tue, Aug 30, 2022, 11:38 AM



Dear DR. RUDI KURNIAWAN ARIEF,

We are so glad that you have participated in the 5th International Conference on Advances Manufacturing and Materials Engineering (ICAMME 2022) organized by Kulliyah of Engineering, International Islamic University Malaysia (IIUM). Most of the credit goes to you and the others who gave such interesting presentations.

We hope you enjoy the experience and receive beneficial information. We believe that the findings you've shared will help and contribute to knowledge. As we want to forward this great appreciation to your participation, we would like to deliver the presentation certificate for a paper titled ANALYSIS OF THE ADJUSTING BOLTS SYSTEM'S CONTRIBUTION TO LEVELLING ERROR OF THE HEATED BED IN FDM 3D PRINTER.

Looking forward to meeting you in the next event!

Thank you

Best Regards,

Secretariat,
International Conference on Advances in Manufacturing and Materials Engineering 2022
Department of Manufacturing and Materials Engineering
International Islamic University Malaysia
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Website: <https://conference.iium.edu.my/icamme/>

SPAM Re: [ICAMME 2022] Final amendments for publication in Lecture Note : ID54

Inbox x



sha hezri shaimihezri@iium.edu.my via umsb.ac.id

to rudikarief

Tue, Sep 6, 2022, 9:48 AM



Dear Sir/Mdm/Dr./ Prof.,

Thank you for submitting a camera-ready paper for ID54 titled: [Analysis of the Adjusting Bolts System's Contribution to Levelling Error of the Heated Bed in FDM 3D Printer](#). This is a reminder of the final amendments requested for publication in Lecture Note in Mechanical Engineering. On behalf of the publication team, please submit the final revisions and required forms by today, 6th September 2022.

We may not be able to wait for your manuscript beyond this date. This is due to the stringent timeline from Lecture Note in Mechanical Engineering's editorial board.

We really appreciate your immediate attention and action in this matter

Sharifah Imihezri Syed Shaharuddin


Assistant Professor,

Department of Manufacturing and Materials Engineering,

Kuliyah of Engineering

International Islamic University Malaysia,

Gombak, Malaysia.

 **iCAMME Committee** . <icamme@iium.edu.my>

Tue, Sep 20, 2022, 5:02 PM



to riccanasaruddin, NORSHAHIDA, NOR, mahani, dee.septie, mirbisma5555, syahirahnasuha.saayaMA, mefauzinizam, emeemarina, nfarhana_kasim, Darliana, ahmednazrin, haziqakashah2: ▾

Dear Prof/Dr/Sir/Madam

To accomplish the final step of publication for ICAMME 2022, we would like to request the author to provide us with the below files:

1. High-resolution Figures along with the caption in PowerPoint file (.pptx or .ppt) and name the file with the corresponding author's surname followed by the title of the paper (part of the title) such as 'Maleque_Wear and Corrosion Behaviour...'
2. Kindly check the tables and make sure it is submitted in Table format (not a picture). Kindly make the necessary correction and submit the full paper in Microsoft Word format and name the Word file with the corresponding author's surname followed by the title of the paper (part of the title) such as 'Maleque_Wear and Corrosion Behaviour...' (For those who have not submitted the Word format and those with correction of the table only)

Please submit your files using this link: <https://forms.gle/Fjz5BvpcTheUS8as8>

The deadline is on 21st September 2022 before 5 pm (MYT).

You may refer to the example provided in the attachment files in the email.

Thank you.

Publication Team

International Conference on Advances in Manufacturing and Materials Engineering 2022

Department of Manufacturing and Materials Engineering

International Islamic University Malaysia

53100 Kuala Lumpur, MALAYSIA



International Islamic University Malaysia - Conference Fee



FLYWIRE PAYMENT CONFIRMATION

PAYMENT ID FWC776057536

FULL NAME Rudi Kurniawan Arief

DESCRIPTION	DELIVERY DATE	ORIGINATING AMOUNT	RECEIVED AMOUNT
Payment to International Islamic University Malaysia - Conference Fee	June 30, 2022	1,050,000.00 IDR	300.00 MYR

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