

ICOME 2019 submission 41 update

ICOME 2019 <icome2019@easychair.org>

Tue 8/13/2019 2:56 PM

To: I Made Wicaksana Ekaputra <made@usd.ac.id>

Dear authors,

we acknowledge that we received new files for your ICOME 2019 submission. The information about this update is shown below.

Number: 41

Authors: I Made Wicaksana Ekaputra, Gunawan Dwi Haryadi, Stefan Mardikus, Rando Tungga Dewa and I Gusti Ketut Puja

Title: Reliability Evaluation of Fatigue Crack Growth Rate of Heat-Treated TIG Welded Al 6013-t4 by Two-parameter Weibull

Uploaded by: I Made Wicaksana Ekaputra <made@usd.ac.id>

Updates:

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

ICOME 2019 Submission 41

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All **reviews sent to you** can be found at the bottom of this page.

Submission 41

Title	Reliability Evaluation of Fatigue Crack Growth Rate of Heat-Treated TIG Welded Al 6013-t4 by Two-parameter Weibull
Short paper:	 (May 31, 05:38 GMT)
Full paper:	 ① (Sep 10, 03:36 GMT) (previous versions)
Copyright:	 ② (Sep 10, 03:38 GMT) (previous versions)
Author keywords	Fatigue crack growth (FCG) Monte Carlo method (MCM) Weibull
EasyChair keyphrases	fatigue crack growth (110), crack growth rate (47), artificial aging time condition (40)
Topics	Material and Metallurgy, Mechanical Structure, Design and Vibration
Abstract	The limited data of fatigue crack growth (FCG) may cause an inaccuracy assessment of the fatigue crack growth rate (FCGR). For particular parts in aircraft such as fuselage skin, a high reliability degree due to FCG must be determined accurately for the design and safety requirements. Generally, the 6xxx series of aluminum alloy is used as the material for the fuselage skin in the aircraft. In this study, a reliability evaluation of FCGR of heat-treated TIG welded Al 6013-t4 was investigated by two-parameter Weibull. The FCG tests were conducted by following the ASTM E647 under three different artificial aging time conditions of 6, 18, and 24 hours. The C and m constant values were obtained by drawing the regression line from FCG data following the Paris's equation and analyzed by means of three methods; a least square fitting method (LSFM), a mean value method (MVM) and a probabilistic distribution method (PDM). The result showed that the PDM and MVM showed a better fitted line to assess the C and m values than LSFM. From the reliability viewpoints, the two-parameter Weibull was proposed to be applied as the PDM. Furthermore, the MCM was successful to evaluate the probabilistic assessment of the FCGR with the 85% confidence interval.
Submitted	May 31, 05:38 GMT
Last update	Aug 13, 07:53 GMT
First author status	

Authors

first name	last name	email	country	affiliation	Web page	corresponding?	presenter
I Made Wicaksana	Ekaputra	made@usd.ac.id	Indonesia	Sanata Dharma University		✓	✓

Gunawan	Dwi Haryadi	gdhary@gmail.com	Indonesia	diponegoro university			
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Reviews

Review 1	
Topic and contents	
<i>Originality</i>	5: (excellent)
<i>Significance and importance of the topic</i>	5: (excellent / advance)
<i>Literature review</i>	5: (excellent)
<i>Methods</i>	5: (excellent / clearly described)
<i>Relevance of analysis and conclusions</i>	5: (excellent)
Others	
<i>Supporting figure and graphics have good qualities</i>	✓
<i>Follows correct referencing style and all references are cited in the text</i>	✓
<i>Written in correct scientific English and no typographical errors</i>	✓
Summary of Review	
<i>Overall evaluation</i>	3: (strong accept) Need to elaborate the discussion.

Review 2	
Topic and contents	
<i>Originality</i>	4: (good)
<i>Significance and importance of the topic</i>	3: (fair)
<i>Literature review</i>	3: (fair)
<i>Methods</i>	3: (fair)
<i>Relevance of analysis and conclusions</i>	3: (fair)
Others	
<i>Supporting figure and graphics have good qualities</i>	✓
<i>Follows correct referencing style and all references are cited in the text</i>	✓
<i>Written in correct scientific English and no typographical errors</i>	✓
Summary of Review	
<i>Overall evaluation</i>	2: (accept) Even there is no further explanation for the method and discussion, the topic is worth, so it is acceptable for the conference.



ICOME 2019 Editor: Revision required

ICOME 2019 <icome2019@easychair.org>

Sat 9/7/2019 6:26 AM

To: I Made Wicaksana Ekaputra <made@usd.ac.id>

Dear I Made Wicaksana Ekaputra,

The 4th ICOME has been a great success and we thank you for your participation in the event. We are now in the editing process for the publication of your papers.

Our editor team has reviewed your paper:

Paper no: 41

Paper title: Reliability Evaluation of Fatigue Crack Growth Rate of Heat-Treated TIG Welded Al 6013-t4 by Two-parameter Weibull

Some revision on the paper are required before it can be further processed by the publisher:

- The use of English grammar should be corrected (please check using Grammarly or other language checker)

Please make sure to upload of the Revised Full paper and Copyright by 13 September 2019, the latest.

Please note that we are going to proceed the publication process according to the timeframe. Late submissions which results in failure of publication will not be our responsibility.

Best wishes,

ICOME 2019 Editor

Full paper submission and link for registration

ICOME 2019 <icome2019@easychair.org>

Tue 8/13/2019 3:36 PM

To: I Made Wicaksana Ekaputra <made@usd.ac.id>

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Follow the exact AIP template to ensure that your paper full-fill the requirement of AIP conference proceeding.

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Please also fill our registration form and upload the student and proof of payment through

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The committee appreciate the author that had upload their full paper and copyright agreement through easychair.org before 12 August 2019. The committee still accept full paper uploading until 23 August 2019.

Please make sure the author and/or presenting author register before 23 August 2019 to secure presentation slot in ICOME 2019 conferences.

For those author that submit more than one paper, please make sure that the first author is the presenting author.

If the first author is NOT the presenting author, then the presenting author need to register for visitor access of Rp 1.500.000. This cost is outside the cost of 2nd or 3rd submission of Rp 2.000.000 each.

Yours Sincerely,

ICOME 2019 Committee

Scientific.Net - Volume publication Key Engineering Materials Vol. 867

Trans Tech Publications <authors@scientific.net>

Mon 10/12/2020 3:50 PM

To: I Made Wicaksana Ekaputra <made@usd.ac.id>



Materials Science & Engineering

Online periodicals

Paper: «**Reliability Evaluation of Fatigue Crack Growth Rate of Heat-Treated TIG-Welded Al 6013-t4 by Two-Parameter Weibull**»

Book: «**Mechanical Engineering: Advanced Materials Processing Technology**»

Dear I Made Wicaksana Ekaputra,

We would like to thank you for the great work you did to help produce this new book, which contains your article «Reliability Evaluation of Fatigue Crack Growth Rate of Heat-Treated TIG-Welded Al 6013-t4 by Two-Parameter Weibull» and which can now be found online.

[Mechanical Engineering: Advanced Materials Processing Technology](#)

<https://www.scientific.net/book/mechanical-engineering-advanced-materials-processing-technology/978-3-0357-3687-8>

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Thank you very much for your time and support.

Kind regards,

Scientific.net Publishing Team

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