

## Instruction for Authors

### ● Aims and Scope (Print Edition ISSN: 2466-2232/ Web Edition ISSN: 2466-2100)

Journal of Welding and Joining (JWJ) is an open access, peer reviewed and refereed international journal published in electronic form as well as print form. The journal is dedicated to the full range of scientific and technological issues associated with welding and joining of materials. The research work published will be oriented more towards both academic and practical applications in manufacturing. The journal covers all aspects of materials joining including welding, brazing, soldering, cutting, thermal spraying and hybrid joining and fabrication techniques. The detail scopes of JWJ journal include, but are not limited to, the following topics:

- Additive Manufacturing
- Arc Physics/Visual/ Simulation
- Diffusion Bonding, Brazing, TLP Bonding, Soldering
- Electrical Resistance Welding
- Electronic Packaging and Reliability
- Friction Stir Welding/Process
- Inspection/ Evaluation/ Education & Qualification
- Laser / Electron Beam Welding & Processing
- Nano/Microjoining Process
- Residual Stress/ Distortion/Modeling
- Sensing and Monitoring/Welding Processes/Welding automation
- Surface Modification
- Welding Metallurgy
- Welding Strength/Integrity Assessment

### ● About the journal

Journal of Welding and Joining is founded in 1983 and publishes issues bimonthly starting from February. The journal title has been changed three times, Journal of Korean Welding Society, **KWS**, from 1983 to 2006, Journal of Korean Welding and Joining Society, **KWJS**, from 2007 to 2012, and currently Journal of Welding and Joining, **JWJ**, from 2013 to present. Articles published in this journal are abstracted in Google Scholar, KCI (Korea Citation Index) and KSCI (Korea Science Citation Index). This work is supported by the Korean Federation of Science and Technology Societies(KOFST) Grant funded by the Korea Government

### ● Manuscript Submission

New manuscripts should be submitted online at the following URL: <http://submit.e-jwj.org/>

Log in is required for the first time user. If you do not have an account, click "Register" button and make your account. ID should be your email address being actively used now. If you have an account but forgot your password, click the "Forgot Your Password?" button. Your password will be given to your email address on your request. To begin, enter your User ID and password into the boxes provided, and click. At the welcome screen, click "Submit a Manuscript" button. After that, click "New Submissions" button to submit your new manuscript and follow steps 1-6.

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Choose manuscript type, and enter your title and abstract into the appropriate boxes. If you need to insert a special character, click the "Special Characters" button. If you are submitting a manuscript that does not require an Abstract, please type N/A in the Abstract box. Please click the check box, if the corresponding author is the first author.

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#### • Step 4. PDF conversion

Merger file will be created in pdf format.

#### • Step 5. Cover Letter

Please, submit a separate cover letter with additional notes to Editor-in-Chief.

- **Step 6.** Preview

Review the information in the Preview chart for correctness; make changes if needed. If you have not completed the required steps, you will not be able to submit your manuscript.

- **Step 7.** Submit

Once it is submitted, you will be able to monitor the progress of your manuscript through the peer review process.

- **Manuscript preparation**

Manuscripts should be typed in double-spaced with adequate margins. All manuscript must use SI (metric) units in the text, figures, or tables. Manuscripts should be organized in the following order: title, name(s) of author(s) and his/her (their) complete affiliation(s) including zip code(s), Abstract (not exceeding 200 words), Introduction, Main body of paper, Acknowledgements, References, Appendices, Table & Figure Captions, Tables and Figures.

- **Title:** The title of the paper should be concise and definitive.
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Country name (only for countries other than the U.S.), Telephone, fax, and e-mail
- **Abstract:** An abstract (200 words maximum) should open the paper or brief. The purposes of the abstract are:
  1. To give a clear indication of the objective, scope, and results so that readers may determine whether the full text will be of particular interest to them.
  2. To provide key words and phrases for indexing, abstracting, and retrieval purposes.
- **Equations:** All mathematical equations should be clearly printed/typed using well accepted explanation. Superscripts and subscripts should be typed clearly above or below the base line. Equation numbers should be given in Arabic numerals enclosed in parentheses on the right-hand margin. They should be cited in the text as, for example, Eq. (1), or Eqs. (1)-(3).
- **Tables:** All tables should be numbered consecutively and have a caption consisting of a table number and a brief title. This number should be used when referring to the table in text. Table references should be included within the text in numerical order according to their order of appearance. Tables should be inserted as part of the text as close as possible to its first reference — with the exception of those tables included at the end of the paper as an appendix. A separate list of table numbers and their respective captions should be included at the end of the paper (for production purposes only).
- **Figures:** All figures (graphs, line drawings, photographs, etc.) should be numbered consecutively and have a caption consisting of the figure number and a brief title or description of the figure. This number should be used when referring to the figure in text. Figure references should be included within the text in numerical order according to their order of appearance. Figures should be referenced within the text as "Fig. 1." When the reference to a figure begins a sentence, the abbreviation "Fig." should be spelled out, e.g., "Figure 1." A separate list of figure numbers and their respective captions should be included at the end of the paper (for production purposes only).
- **Reference:** Within the text, references should be cited in numerical order according to their order of appearance. The numbered reference citation within text should be indicated with half-parenthesis in superscripts.

*Example:* It was shown by Moon<sup>1)</sup> that the fracture toughness decreases under these conditions.

In the case of two citations, the numbers should be separated by a comma<sup>1,2)</sup>. In the case of more than two references, the numbers should be separated by a dash<sup>3,4,5-7)</sup>. All references should be listed at the end of the manuscripts, arranged in order. Reference to journal articles and papers in serial publications should include:

- Initials name of each author
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- Abbreviation name of the journal
- Volume number (if any) (Do not include the abbreviation, "Vol.")
- Issue number (if any) in parentheses (Do not include the abbreviation, "No.")
- Year of publication
- Inclusive page numbers of the cited article (Do not include the abbreviation, "pp.")
- Number of DOI (if any)

The exemplary form of listed references is as follows:

- (1) Journal : Author, Title, *Journal*, Volume(Number) (Year) Page.  
S. W. Kim and C. K. Chun, Trend of DED type Additive Manufacturing Technology for Titanium, *J. Weld. Join.* 35(4) (2017) 327-332. <https://doi.org/10.5781/JWJ.2017.35.4.4>
- (2) Conference : Author, Title, *Proceeding*, Place (Year) Page.  
J. H. Lee, C. H. Kim and N. H. Kang, Hydrogen Diffusion and Embrittlement with Respect to Microstructure of Pipeline Steel Welds, *Proceedings of International Welding and Joining Conference (IWJC 2017)*, Gyeongju, Korea (2017) 3-4.
- (3) Book : Author, Title, *Publisher*, Place, Nation (Year) Page.  
S. Kou, Welding Metallurgy, 2nd Edition, *Wiley Interscience*, New Jersey, USA (2003) 433-440.
- (4) Thesis : Author, Thesis, Title, *University*, Place (Year) Page.  
W. J. Seong, Ph. D. thesis, A Study on Flame Forming and Straightening of Welding Distortion for Shipbuilding Structure, *KAIST*, Daejeon, Korea (2012) 151.
- (5) Standard : Standard No., Title, Publisher (Year).  
ISO 9455-11, Soft Soldering Fluxes - Test Methods - Part 11; Solubility of Flux Residues, *International Standardization Organization (ISO)* (2017).

References, including those pending publications in well-known journals or pertaining to private communications, not readily available to referees and readers will not be acceptable if the understanding of any part of the submitted paper is dependent upon them. In the text the reference should be numbered in bracket in ascending order, e.g.<sup>1,2)</sup>, etc.

#### ● Publication type

- **Review paper** : Review articles undergo full peer review. A Review Article organizes, clarifies, and summarizes existing major works in science and engineering and provides comprehensive citations to a full spectrum of relevant literatures.
- **Special issue** : Special issue articles undergo full peer review. A special issue article reports results that are of significant and archival value to the engineering community; however, these works are more limited in scope and length than a research paper. A special issue may contain any of the following: 1. preliminary report of a result not yet fully developed or interpreted; and 2. commentary on a technical issue of potential interest to readers.
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Submitted manuscripts will be sent to peer reviewers, unless they are either out of scope or below the quality threshold for the journal, or the presentation or written English is of an unacceptably low standard. A manuscript that meets this standard is sent to anonymous reviewers for peer review. Once the editorial office receives complete reviews, the associate editor and editor makes a decision and the corresponding author is informed of the editorial decision by e-mail. The editor selects referees results of the review will be classified as follows;

- **Accepted:** The manuscript will be forwarded to the publisher without further corrections.

- **Minor revisions:** The author should address the comments from the reviewers, which will be confirmed by the reviewers before being sent to the publisher.
- **Major revisions:** The author should address the comments from the reviewers and make the appropriate corrections for further review by the reviewers.
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Manuscripts reviewed that require revision should be revised and uploaded with a response to the reviewers' comment at JWJ editorial manager within 45 days. Otherwise, the manuscript will be considered as a new manuscript when and if it is resubmitted.

And disputes or ethical issues raised during or after the publication should follow the guidelines found at <http://publicationethics.org/resources/international-standards-for-editors-and-authors>

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Journal of Welding and Joining (JWJ) strictly applies international standards for editors and authors of Committee on Publication Ethics (COPE) on publishing integrity.

## ● Page charge or article processing charge

The article processing charge for paper is 200,000 KRW within 6 pages. An excess page charge of 30,000 KRW per page will be charged within 10 pages. For papers with acknowledgement for financial support, there will be additional charge of 70,000 KRW. Be noted that there is no article processing charge for papers submitted by foreign authors

## ● Address to submit and Contact information inquiry

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## ● Authors' checklist for manuscript submission

Prospective authors should use the following checklist for manuscript preparation.

### <Title Page>

- ☐ Include all authors with current affiliations.
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### <Abstract>

- ☐ Abstracts should not exceed 200 words.
- ☐ Make sure to include a clear indication of the objective, scope, and results so that readers may determine whether the full text will be of particular interest to them.
- ☐ Use keywords in proper English format.

### <Body of Manuscript>

- ☐ Use 10 pt. font size.
- ☐ Use a default typeface (e.g. Times, Times New Roman, Courier, Helvetica or Arial).
- ☐ Is the manuscript written according to the JWJ manuscript preparation guideline including the section on how to write references?
- ☐ Is your manuscript carefully proofread?

### <References>

- ☐ References should be numbered and listed at the end of the paper in the order of cited.
- ☐ Properly formatted according to the style set of JWJ template.

### <Figures and Tables>

- ☐ Properly labeled and formatted.
- ☐ Minimum required resolution for publication (600dpi).

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