

◀ Editor ▶**Dhong Ha Lee**University of Suwon, edit@esk.or.kr**◀ Editorial Board ▶****Woo Chang Cha**Korea National Institute of Technology, chaw@kumoh.ac.kr**Dohyung Kee**Keimyung University, dhkee@kmu.ac.kr**Yong Gu Ji**Yonsei University, yongguji@yonsei.ac.kr**Myung-Chul Jung**Ajou University, mcjung@ajou.ac.kr**Kyung Tae Lee**Daebul University, ktalee@mail.db.ac.kr**Hee Sok Park**Hongik University, hspark@hongik.ac.kr**Seung Bum Park**Footwear Industrial Promotion Center, Korea, sbark@kfglobal.or.kr**Hoon Yong Yoon**Donga University, yhyoon@dau.ac.kr**Seung Kweon Hong**Korea National University of Transportation, skhong@ut.ac.kr**Byung Yong Jeong**Hansung University, byjeong@hansung.ac.kr**Kwang Tae Jung**Korea University of Technology and Education, ktjung@kut.ac.kr**Yong-Ku Kong**Sungkyunkwan University, ykong@skku.edu**Young Hwan Pan**Kookmin University, peterpan@kookmin.ac.kr**Peom Park**Ajou University, ppark@ajou.ac.kr**Sungjoon Park**Namseoul University, sjpark@nsu.ac.kr**Myung Hwan Yun**Seoul National University, mhy@snu.ac.kr**◀ Manuscript Editor ▶****Sangwook Kim**, shbio@hanmail.net

The Ergonomics Society of Korea (ESK) was founded in 1982 and is the largest nonprofit association for ergonomics professionals in Korea, with more than 2000 members. The purpose of the society is to contribute to development, distribution, and application of ergonomics technology for overall human and social well-being. The society focuses on the role of humans in a complex system, the design of process, procedures, software, products, equipment and facilities for human use, and the development of environments for comfort, safety and well-being. The society publishes an official journal dealing with ergonomics research and development and holds biannual conference each spring and fall.

The Journal of the Ergonomics Society of Korea (abbreviated as J Ergon Soc Korea) (eISSN 2093-8462) launched in 1982 is published bimonthly in every February, April, June, August, October, and December by the Ergonomic Society of Korea, Pukyong National University, the 3rd Gonghakgwan, Room#205, 365 Sinseon-ro, Nam-Gu, Busan, Korea, Zip code: 608-739, Phone: +82-10-4479-2995, Fax: +82-51-980-2995, Email: admin@esk.or.kr, <http://esk.or.kr>. J Ergon Soc Korea is printed by Seoheung Publishing Company, Seoul, Korea.

J Ergon Soc Korea is provided to members of the society; nonmembers and institutions may subscribe for Korean Won30,000/year and Korean Won 100,000/year, respectively. Application of membership or changes of status or address change notices should be sent to the society at the address above.

Individual readers of this journal and nonprofit libraries acting for them are freely permitted to make fair use of the material in it, such as to copy an article for use in teaching and research. Permission is granted to quote excerpts from articles in this journal in scientific works with the customary acknowledgement of the source, including author's name, journal name, year, volume, number, and page. Permission to reproduce any article or a substantial portion (more than 500 words) thereof or any figure or table, must come from the corresponding author of the article and from the society. Republication or systematic or multiple reproduction of any material in this journal is permitted only under license from the society.

The full text of the J Ergon Soc Korea is also available on the website: <http://jesk.or.kr>.

J Ergon Soc Korea is indexed and abstracted in the database: Korea Citation Index (<http://www.kci.go.kr>), Korea Journal Citation Reports (<http://kscii.kisti.re.kr>), DOI/Crossref and DBPIA (<http://dbpia.co.kr>).

The opinions and judgments expressed in this journal are those of the authors, and are not necessarily those of the editor, neither are they to be interpreted as representing the official policy of the society.

This journal was supported by the Korean Federation of Science and Technology Societies Grant funded by the Korean Government (Ministry of Science, ICT and Future Planning; MSIP).

The Ergonomics Society of Korea agrees that the Korean government and nonprofit organizations may retain a nonexclusive, royalty-free license to use the author's copyrighted article for public well-being purposes.

(Updated Jan 23, 2014)

Copyright©2014 by Ergonomics Society of Korea. All right reserved.

©This is identical to the Creative Commons Attribution Non-Commercial License (<http://creativecommons.org/licenses/by-nc/3.0/>)

Information for Authors (updated Jan 23, 2014)

About the Journal of the Ergonomics Society of Korea

The Journal of the Ergonomics Society of Korea (J Ergon Soc Korea) publishes the articles about people in relation to systems including hardware, software, and environmental factors. Evaluative reviews of the literature, definitive articles on methodology and procedures, and empirical articles reporting original research are considered for publication. J Ergon Soc Korea also periodically publishes special sections that focus on important issues on ergonomics in an integrated manner. To propose a special section topic, contact the editor at the address:

Editor, The Journal of the Ergonomics Society of Korea

The Ergonomics Society of Korea (ESK), Pukyong National University, the 3rd Gonghakgwan, Room#205, 365 Sinseon-ro, Nam-Gu, Busan, Korea, Zip code: 608-739, Phone: +82-10-4479-2995, Fax: +82-51-980-2995, Email: admin@esk.or.kr, Website: <http://esk.or.kr>.

Article types

The following types of articles may be submitted:

Research articles deal with previously unpublished original research that is experimental (field or laboratory based), methodological, or theoretical in nature. These articles report a single experiment, concept or modeling that is fully developed and includes a statistical analysis.

Application articles deal with previously unpublished original research that applies ergonomics disciplines to development of software, process, procedures, products, facilities, and human centered systems or environments.

Technical articles deal with previously unpublished illustration of new technologies, a synthesis of published work on a special topic, a review of technology trend, and a research report. Suitably revised papers documented in the proceedings of the ESK conferences may be submitted for consideration as a technical article, if the chair-persons of the presentations recommend them for publication.

Article review process

J Ergon Soc Korea is a peer reviewed journal. All the articles should be published through a totally double blind review by two referees. It takes about 4 weeks for first review. After two referees agree to accept an article it may proceed to the publishing process. If two disagree to accept, the article is returned to the author. Referees may ask the author to revise or re-review for the revised article. Accepted and timely revised articles are often published online within 2 months. All the submitted articles should be reviewed through the online submission and review system of the website of J Ergon Soc Korea (<http://jesk.or.kr>). All the published articles are copyrighted in the name of ESK. A copyright release must be executed through the online system while a manuscript is submitted.

Manuscript preparation

J Ergon Soc Korea manuscripts should be prepared according to the editing rules of J Ergon Soc Korea. Manuscripts will not be considered for publication unless they are prepared according to these rules. Use the manuscript template provided by the website of J Ergon Soc Korea (<http://jesk.or.kr>) for the first and the revised manuscripts. The prepared manuscript should be submitted only through the online submission and review system of the website with the address above. Enter the corresponding author's name with contact information and upload the prepared manuscript file in MS-Word or PDF format with a filename like 'short version of the article title.doc' through the online system.

Research and publication ethics

Papers that have been published elsewhere in the open literature in the same form will not be accepted. The published papers to this journal should not be submitted to any other journal. The author should read carefully and abide by the code of ethics released in the international standards for authors and editors (<http://publicationethics.org/international-standards-editors-and-authors>) while preparing the manuscript.

Fee for page charge

If the manuscript where the main text typed in English is accepted for publication, the basic publication processing fee of Korean Won 150,000 should be paid by the corresponding author before publishing online. In case of the manuscript where the main text typed in Korean, the basic publication processing fee of Korean Won 150,000 plus the extra charge of Korean Won 35,000 per every 300 words in the text (approximately one page) should be paid. You may pay the fee by credit card or transfer to the following bank account: Hana bank 391-910008-35404 (<http://www.hanabank.com>). Account owner: the Ergonomics Society of Korea.

Cover page

The first page of the manuscript should contain the following information written in English:

- Article title
- Subtitle when necessary
- 300-word structured abstract including objective, background, method, results, conclusion, and application.
- About 5 key words for indexing purposes

Footnotes

Any form of footnotes is not permitted. Such notes should be incorporated into the text.

Subheadings

Subheadings written in English should proceed like '1. Introduction', '2. Method', '3. Information architecture', '1.1 Goals of the study', or '2.1.2 Data collection'. For a more extended subheadings, an underlined subheading like 'Development of the model' may be used.

Text citations

Reference citations in the text should follow the author-date method. For example, 'Kim (2010) developed...' or 'Previous studies (Kim, 2001; Lee and Park, 2003; Park et al., 2009) showed that...'. Arrange parenthetical citations alphabetically by first author's surname.

Tables and figures

Each table and figure should be placed near the citing sentence in the text. A caption written only in English should be placed on the upper part of each table and the lower part of each figure. For example, 'Table 1. Correlations between predictors and self report' or 'Figure 2. Performance on the relative position task'.

Unit of measure

Magnitudes of all measured quantities must be given in the International System of Units (SI).

Equations

Equations should be numbered on the right side of them like '(1)', '(2)', and so on and cited in the text like 'equation (1)', 'equation (2)', and so on.

Appendix

A supplementary data may be inserted as an appendix. Appendices should be placed at the end of the main text and numbered like 'Appendix 1', 'Appendix 2' and so on.

Acknowledgements

When necessary, acknowledgements written in English may be placed before the references. For example, 'This work was funded by grants from Korean Federation of Science and Technology Societies (Grant-#KFST50000000)'.

References

All references should be written only in English. References should be arranged alphabetically by the author's surname and placed at the end of the article. A reference may have one of the following forms:

- 1) Periodicals
Karhu, O., Kansi, P. and Kuorinka, I., Correcting working postures in industry: a practical method for analysis, *Applied Ergonomics*, 8(4), 199-201, 1977.
- 2) Periodicals with DOI
Oh, Y.J. and Lee, Y.H., Human error identification based on EEG analysis for the introduction of digital devices in nuclear power plants, *Journal of the Ergonomic Society of Korea*, 32(1), 27-36, 2013. doi:10.5143/JESK.2013.32.1.27
- 3) Textbooks
Reason, J., *Human Error*, Cambridge University Press, New York, 1990.
- 4) Technical reports
Payne, D. and Altman, J.W., *An Index of Electronic Equipment Operability; Report of Development*, Report AIR-C-43-1/62-FR, Pittsburgh, PA, American Institute for Research, 1982.
- 5) Editing books
Williges, R.C., Design of Human-Computer Dialogues. In G. Salvendy(Ed), *Human-Computer Interaction*, Elsevier, Amsterdam, 125-153, 1984.
- 6) Proceeding papers
Furness, T.A. and Kocian, D.F., "Putting Humans into Virtual Space", *Proceedings of the 16th Conference on Aerospace Simulation*, 2 (pp. 48-52), San Diego, CA., 1986.
- 7) Internet media
Author name, Title of contents, *Website name*, URL (retrieved date).
Polymer Society of Korea Home page, <http://www.polymer.or.kr> (retrieved July 14, 2003).
Dove, R., Lady Freedom among Us, *The Electronic Text Center*, <http://etext.lib.virginia.edu/subjects/afam.html> (retrieved June 19, 1998).
University of Georgia, Points of Pride, *University of Georgia*, <http://www.uga.edu/profile/pride.html> (retrieved October 21, 2009).
Kachru, B.B., Norms, models and identities, *The Language Teacher Online*, 20(10), 1996, <http://jalt-publications.org/tlt/files/96/oct/index.html> (retrieved October 25, 2001).

Biographies (included only after acceptance for publication)

Biographies of all authors should be placed at the end of the article. The authors should be arranged as they appear in cover page. For each author, indicate in English the name, email address, highest degree, position title with the current affiliation, and areas of interest. For example:

Gildong Hong: hong@hangook.ac.kr
Highest degree: PhD, Department of Industrial Engineering, KAIST
Position title: Professor, Department of Industrial Engineering, Hangook University
Areas of interest: Human Factors in Nuclear Power Plant, Risk Management