



JPI-first Author Guidelines

Journal of Perceptual Imaging (JPI)

This submission option offers a path to faster journal publication for authors submitting manuscripts that fall within the scope of topics for presentation at an IS&T.

The JPI-first option means that while IS&T commits to expedite the journal publication process, authors commit to submit papers for publication that need only minor revisions.

This option is **an advantage for authors who wish to have their papers cited in a peer-reviewed journal, but also accepted as their conference proceedings submission**; at the same time, it presents a challenge in that the standard for acceptance in the journal is the same as for any JPI paper. The initial manuscript submission must be of the highest quality to achieve the compressed schedule.

Key points for JPI-first submission:

- Publication standards for JPI-first submissions are the same as those for all JPI articles. JPI submissions are required to report on novel research, theoretical and/or experimental.
- For papers failing the initial quality check (e.g., English grammar, file formats, missing information), a first revision must be submitted to JPI prior to the JPI-first Conference submission deadline.
- Authors are asked to identify 2-3 potential reviewers for their papers and include contact information for each (e-mail address and institution) with their initial manuscript submission.
- In addition to papers accepted upon first submission, papers that require only minor revisions may still qualify for JPI-first publication, under the following conditions:
 - Authors must return the revised manuscript and a detailed response to reviewer comments noting each correction within 14 days after the minor revision decision is issued.
NOTE: Minor revision decisions are issued only in the case that the corrections needed are specifically defined in the review and will not affect the general structure, tone, conclusions, or validity of the work. Minor revision examples include correcting linkages between text and figures, specific limited clarifications in wording, adding clarifications for equations, providing specific additional references, and fixing typos. On the other hand, an introduction or background that does not correctly support the work subject, lack of clarity in the experimental method, and lack of apparent novelty, are examples of review results that exceed the minor revision case.
- Authors who miss the minor revision submission due date may not be offered JPI-first publication, at the discretion of the JPI Editors.
- Authors whose manuscripts require major revision may not be offered JPI-first publication, at the discretion of the JPI Editors.
- The article processing fee for manuscripts accepted for JPI-first publication is \$1,000/article for up to 12 pages (\$50/page for each additional page), with the condition of one reduced full fee symposium registration and presentation at an IS&T conference. Failure to register to present the paper will result in a charge of one full registration (not student or one-day) plus the article processing fee.
- With the reduced fee structure and the shortened timeline, JPI-first publication offers authors who need to publish within a shortened period that opportunity.

Scope

The *Journal of Perceptual Imaging* (JPI) welcomes papers that explore the intersection between human perception, imaging technologies, and/or art, including:

- Basic and applied research in human vision, audition, touch, other senses, and multi-sensory interactions that support, and/or are inspired by, imaging applications
- Experimental, theoretical, and computational research
- Perceptually-inspired algorithms for image coding, feature analysis, and image quality
- Human decision-making and pattern recognition for visualization and visual analytics
- Image and task semantics

The journal is open to reports of new theoretical or experimental results, and to comprehensive reviews. Only original manuscripts that have not been previously published nor currently submitted for publication elsewhere should be submitted. Submissions that expand in scope and level of detail on preliminary communications published as conference papers, abstracts, or summaries are acceptable though the prior work must clearly be cited in these situations.

Editorial Process/Submission of Papers for Review

All submitted manuscripts are subject to peer review. To expedite the peer review process, authors are encouraged to recommend two or three competent, independent reviewers. The editorial staff will take these suggestions under consideration, but is not obligated to use them.

The submitted files must contain all materials needed to review the paper, including figures, tables, references, appendices, etc. in a readable PDF file. Please be sure to print out and carefully review your manuscript before sending to ensure that all equations, charts, etc., reproduce accurately; font embedding can be a problem with PDFs, so check your work carefully.

The submitted text should be written in clearly stated English. Papers not meeting English language criteria will not be reviewed; authors receiving such notification may resubmit a revised, edited manuscript for consideration, if resubmitted prior to the JPI-first Conference submission deadline.

Unless otherwise stated, submission of a manuscript is understood to mean that the paper has been neither copyrighted, classified, or published, nor is being considered for publication elsewhere. Authors of papers published in the *Journal of Perceptual Imaging* are jointly responsible for their content. Credit for the content and responsibility for errors or fraud are borne equally by all authors. Please see the [IS&T Publication Policy](#) and [IS&T Publication Guidelines](#) for further details.

Manuscript Guidelines

Please follow these guidelines when preparing accepted manuscripts for submission.

- Manuscripts should be double-spaced, single column, with pages numbered. It is the responsibility of the author to prepare a succinct, well-written, paper composed in proper English. JPI generally follows the guidelines found in the AIP Style Manual, available from the American Institute of Physics.
- Proofread carefully for English grammar and for typographical errors prior to submission.
- Manuscripts must contain the [JPI Author Cover Sheet](#) as the first page of the article.
- **Manuscripts must contain the sections addressing the following:** introduction of the topic, background in related research (include comparison to published research that is most similar and provides a basis for this research), objectives of this research – clearly stating the intended advancement in the science, methodology and experimental design, description and analysis of results, conclusion, and bibliography.
- **Figures** should conform to the standards set forth at <https://publishing.aip.org/authors/preparing-graphics>. Each figure must be referenced in the text in the order that it appears in the manuscript.

- **Equations** should be numbered sequentially with Arabic numerals in parentheses at the right margin. Be sure to define symbols that might be confused (such as ell/one, nu/vee, omega/w). All of the variables in the equations must be defined in the text.
- For **symbols, units, and abbreviations**, use SI units (and their standard abbreviations) and metric numbers. Symbols, acronyms, etc., must be defined on their first occurrence.

Illustrations: Number all figures, graphs, etc. consecutively and provide captions. Figures should be created in such a way that they remain legible when reduced, usually to single column width (3.3 inches/8.4 cm); see also <https://publishing.aip.org/authors/preparing-graphics> for guidance. Illustrations must be submitted in TIFF or Encapsulated PostScript (EPS) files at full size and 600 dpi; grayscale and color images should be at 300 dpi. JPI does not accept GIF or JPEG files. Original hardcopy graphics may be sent for processing. (See note below on color and supplemental illustrations.)

IS&T strongly discourages the use of the Lena (Lenna) image in IS&T publications. Authors are advised to use other suitable images to illustrate and compare image processing algorithms. As of 1 January 2019, authors who submit manuscripts containing the Lena image to any IS&T publication will be encouraged to replace the image with a substitute image. As of 1 July 2019, IS&T journals and proceedings will no longer consider new submissions containing the Lena image without convincing scientific justification for its use.

- **Thumbnail image for Digital Library:** To help promote and differentiate your article from others in the Digital Library, we request that you submit a small, visually interesting image to appear next to your article, for example a cropped area from an image used in the manuscript. It should not be very detailed. Crop the image to (w) 350 pixels x (h) 206 pixels at 150 dpi or higher. Make sure the color mode is RGB. Flatten the image if this is an option in the image software. Save as PNG or JPEG/JPG with your last name in the file, such as Luo_thumbnail.
- **References** should be numbered sequentially as citations appear in the text within brackets [1] and list at the end of the document using the following formats:

Journal articles: Author(s) [first/middle name/initial(s), last name], “title of article (optional),” journal name, [optionally ISSN number (e.g. for JPI citation, ISSN: 1062-3701), volume (bold): first page number, year (in parentheses).

Books: Author(s) [first/ middle name/initial(s), last name], title (in italics), (publisher, city of publication, and year in parentheses) page reference. Conference proceedings are normally cited in the Book format, including publisher and city of publication (Springfield, VA, for all IS&T conferences), which is often different from the conference venue.

Examples

1. H. P. Le, *Progress and trends in ink-jet printing technology*, J. Imaging Sci. Technol. 42, 46 (1998).
2. E. M. Williams, *The Physics and Technology of Xerographic Processes* (John Wiley and Sons, New York, 1984) p. 30.
3. Gary K. Starkweather, “Printing technologies for images, gray scale, and color,” Proc. SPIE 1458: 120 (1991).
4. Linda T. Creagh, “Applications in commercial printing for hot melt ink-jets,” Proc. IS&T’s 10th Int’l. Congress on Adv. In Non-Impact Printing Technologies (IS&T, Springfield, VA 1994) pp. 446-448.
5. ISO 13655-1996 Graphic technology: Spectral measurement and colorimetric computation for graphic arts images (ISO, Geneva), www.iso.org.
6. Society for Imaging Science and Technology website, www.imaging.org, accessed October 2003.

Online Submission

Submit a PDF of your manuscript with the [JPI Author Cover Sheet](#) as the first page of your submission to <https://jpi.msubmit.net/cgi-bin/main.plex>. Select the option for the appropriate conference.

First Review Decision and Submission of Revised Manuscripts

Author(s) will receive a decision letter with reviewers' comments. In the case that a minor revision is required, authors will be given a 10 day revision time period. Because of conference proceedings and JPI publications timing, authors who miss their assigned revision submission due date will not be offered JPI-first publication, at the discretion of the JPI Editor. Authors whose manuscripts require major revision will not be offered JPI-first publication, at the discretion of the JPI Editors.

Submission of Accepted Manuscripts

Author(s) will receive a decision letter with reviewers' reports. Those whose manuscripts have been accepted for publication will receive correspondence informing them of the issue in which the paper is tentatively scheduled, links to the [JPI Article Processing Charge](#), [JPI Assignment of Copyright Form](#), and detailed instructions for submitting any necessary source file corrections. A duly signed transfer of copyright form is required for publication in this journal. No claim is made to original US Government works. CCBY option is available.

Article Processing Fee

The article processing fee for manuscripts accepted for JPI-first publication is \$1,000/article for up to 12 pages (\$50/page for each additional page), with the condition of one reduced full fee symposium registration and presentation at an IS&T conference. Failure to register to present the paper will result in a charge of one full registration (not student or one-day) plus the article processing fee.

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