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COLOR PRINTING AUTHORIZATION FORM**

Color illustrations in print should be used only in cases where color is critical to convey technical information. (Authors should note that SPIE journals also offer Color Online Only as an alternative to color printing. See <http://spie.org/journals> under "Author Information" or contact the SPIE Journals Department for more information.) Authors who wish to have their figures printed in color are required to pay the full cost. The cost is \$200 for each color figure.

These amounts reflect the direct costs incurred for color reproduction and are separate from page charges.

**If you would like to receive an invoice for color figures, please complete this form in its entirety.**

Please return the completed form by e-mail to [journals@spie.org](mailto:journals@spie.org), or fax to 360-647-1445.

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5. List figures to be printed in color (Figs. 1, 2, 3, etc.) \_\_\_\_\_

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## **Instructions for Preparing Color Illustrations**

Color illustrations in print should be used only in cases where there is a clear need.

Authors who wish to have their figures printed in color must return the signed "Color Printing Authorization Form" along with payment before we can proceed with color printing.

Please adhere to the following guidelines when preparing graphics files for your figures to ensure optimal reproduction quality.

It is important that the following instructions be followed precisely for the graphics files to be utilized:

1. Size your illustrations according to the journal's specifications for column widths (3-5/16" for one column and 7" for two columns). Submit each illustration at the final size in which you would like it to appear in the journal. Each illustration should be prepared for 100% reproduction.
2. Avoid submitting illustrations containing small axes with oversized labels.
3. Ensure that line weights will be 0.5 points or greater in the final published size. Line weights below 0.5 points will reproduce poorly.
4. The graphic should be sent with the correct orientation.
5. Submit color files at 300 ppi (pixels per inch) TIFF, PS, PNG, or EPS format. When selecting a file mode, it is preferable to use RGB (Red, Green, Blue), rather than CMYK (Cyan, Magenta, Yellow, Black). Flatten layers and remove "alpha channel."
6. Set the bounding box to image to avoid excess white space around the image.
7. Make sure there is only ONE figure per file. Each figure file should contain all parts of the figure. For example, if Figure 1 contains three parts (a, b, c), then all of the labeled parts should be combined in a single file for Figure 1. Use lower case parts labels in parentheses [e.g., (a), (b), (c), etc.]. Be sure to include the (a), (b) labels in the file, but not the captions.
8. Check files for extraneous information. Edit out any figure captions or headers. The only data in the file should be the figure itself.