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Manuscript Specifications

- The required file format is PDF.

- Manuscripts should be at least four pages in length. The manuscript must contain all elements of a full-length technical manuscript (abstract, intro, conclusion, references, etc.)

- Single-space all text in one column, allowing extra space between paragraphs.

- All text--including footnotes and author information--and illustrations must appear within a 6.75x8.75 in. (17.15 x 22.23 cm) area.

  - If you use a U.S.-standard page (8.5 x 11 in./21.59 x 27.94 cm), set margins to .88 in. (2.22 cm) left and right, 1.0 in. (2.54 cm) top and 1.25 in. (3.17 cm) bottom.

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Article title is 16 pt bold. Center the paper title at the top of the page. Capitalize only the first word, proper nouns, and acronyms. Keep titles brief and descriptive. Avoid starting with articles or prepositions, e.g., "The study of … ," "On the …." Spell out acronyms unless they are widely known.

Author Names and Affiliations are 12 pt and centered. Capitalize proper nouns. Leave extra space between authors and affiliations/address. Omit titles or degrees such as Dr., Prof., Ph.D., etc. Avoid acronyms that are not internationally known.

ABSTRACT is on a line by itself, all capitals, centered, 11-point type and boldfaced, two lines below author affiliation(s). Start the text of the abstract on a separate line. The text is 10 pt with standard capitalization. Limit the abstract to 250 words.

Keyword list is an untitled list of up to 10 keywords of your choice in 10 pt with standard capitalization. Do not put a heading on this list of keywords. Insert it between the abstract and the body of the paper. This list will ensure that your paper is indexed appropriately.

SECTION HEADINGS are 11 pt bold capital letters throughout the words centered on separate lines. Number sections sequentially (i.e., 1, 2, 3,...).

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Subsection headings are 10 pt bold with capitalization of the first letter of the first word and proper names only. Type on a separate line flush with the left margin. Number subsections according to the following example: Sec. 3.1 is the first subsection of Sec. 3; Sec. 3.2.1 is a subsection of Sec. 3.2.

Paragraphs
Leave additional space between paragraphs. Indentation is optional.

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Figures and tables should be clear and legible but sized to make economical use of space, and must fit entirely within the manuscript image area. Similar or related figures should be of uniform size with uniform lettering. All figures should be called out in the text as well as properly labeled and captioned. Number figures sequentially using Arabic numerals, and place a numbered caption near each figure or table. Figures may be positioned within the text or at the end of the manuscript.

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For the first occurrence (other than for commonly used acronyms such as IR, CCD, MTF, etc.), spell out each word followed by the acronym in parentheses, e.g., liquid phase epitaxy (LPE) or Extreme Ultraviolet Explorer (EUVE).

Equations
Type all equations. Punctuate as a sentence. Type display equation numbers in Arabic numerals in parentheses flush with the right margin. Number display equations consecutively.

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Type reference citations within the text as superscripts or bracketed reference numbers.

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  [1] Booth, N. and Smith, A. S., [Infrared Detectors], Goodwin House Publishers, New York & Boston, 241-248 (1997).

- **For a journal paper:** authors (last name first, then initials), "paper title" (in quotes), journal abbreviation, volume number(issue), page numbers (year). DOI URL

  [2] Davis, A., R., Bush, C., Harvey, J. C. and Foley, M. F. , "Fresnel lenses in rear projection displays," SID Int. Symp. Digest Tech. Papers 32(1), 934-937 (2001).

- **For a proceedings paper:** authors (last name first, then initials), "paper title" (in quotes), proceedings volume name and/or number, page numbers (year). DOI URL

  [3] Van Derlofske, J. F., "Computer modeling of LED light pipe systems for uniform display illumination," Proc. SPIE 4445, 119-129 (2001).