Novelty/ Progress Claims

Write here, in bold, your specific qualitative and/or quantitative novelty claim(s): what you have achieved for the first time, and/or how your work advances the state of research in the field. Work that is not original or that has been presented in other international conferences or publications will not be accepted unless considerable progress has been achieved.

Background/ State of the Art

It is important to identify how the new work differs from previous work of your own group and of other groups, especially work presented at recent and upcoming international meetings. References should appear in square brackets [1]. Given the size limitation of the abstract, it is expected a succinct, to-the-point explanation of how the new work fits in the state of the art. All references included in the abstract need to appear in the main text or the figure captions [2]. It is expected good knowledge of the background by the authors [3]-[5]. Examples of conference [1], journals [2],[4],[5] and books [3] are provided.

Description of the New Method or System

Your document is expected to have a total length of two (2) pages. The first page should include title, authors, affiliations, and technical description. The second page should include figures, tables, and photographs. References may be on either page (or both). The authors' preference for poster presentation (if applicable) should appear in top center as well as the appropriate abstract category in the upper left-hand corner. The Abstract number should appear on the upper right-hand corner.

This format is to be used since the extended paper for the Conference Technical Digest will have a similar layout. The Digest will be published in US Letter format, set up the layout in this format to 20.98 cm x 29.69 cm (8.26” x 11.69”). You should also double check that your final PDF file is US Letter. In this format, define 1.9 cm (0.75”) wide left and right margins. The bottom and top margins must be 2.54 cm (1”).

Define a two-column layout, with a space of 0.635 cm (0.25”) between columns. The title section should be centered above both columns. Please use Times New Roman throughout the entire manuscript. The following formats should be used as illustrated by this sample abstract:

• TITLE: 12 POINTS, BOLD, ALL CAPITALS
• Author Names 11 points italic
• Author affiliations 11 points, regular
• Section Header: 11 points, bold, underlined
• Text body: 11 points, regular; all paragraphs indented 0.25”
• Figure captions: 10 points, italic
• Table captions: 10 points, italic
• References: 11 points, regular, numbered

Number equations consecutively. Equation numbers, within parentheses, are to position flush right, as in (1), using a right tab stop. Italicize Roman symbols for quantities and variables, but not Greek symbols. Use a long dash rather than a hyphen for a minus sign. Punctuate equations with commas or periods when they are part of a sentence, as in

\[ E = m + c^2 \]  

where \( E \) is the number of elephants in the room, \( m \) is the dry mass of chinchillas, and \( c \) is the scattering energy of the koalas. Note that the equation is centered using a center tab stop. Be sure that the symbols in your equation have been defined before or immediately following the equation.

Experimental Results

Clearly outline the specific results, whether experimental or theoretical. Every novelty/claim should be supported by appropriate theoretical or experimental results. Reviewers will mainly judge your abstract based on how the experimental/theoretical results support the novelty/claims. These results can be supported by figures and/or tables on page two of the abstract.
Figure 1: Reflections on corrugated liquid/gas interface, with obstacles, observed by Monet. Rendering with 300 dpi.

Figure 2: View of xxxxxxxxxxxx.

Figure 3: View of beam structure in xxxxxxxx.

Figure 4: SEM of xxxxxxxxxx.

Figure 5: FN plot of data from device shown in Figure 4.

Table 1: Number \( N \) of abstracts submitted and number \( M \) of submitting countries.

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Figure 6. Spectral content of diffracted light from a programmed grating for single (upper) and double (lower) band pass filters. The dashed lines are the simulated spectra while the solid lines are the measured spectra.

REFERENCES


