

## AIUB Journal of Science and Engineering

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CALL FOR PAPERS FOR THE 15<sup>TH</sup> ISSUE OF AJSE

We are currently undergoing the process of publishing next volume of **AJSE Vol. 15 No. 1**; which is scheduled to come out in **August 2016**. The fourteenth issue of The AIUB Journal of Science and Engineering (AJSE) (Vol. 14 No. 1) was published in August 2015.

We would like to call for Papers for the upcoming **15<sup>th</sup> issue (Vol. 15 No. 1 August 2016)** of The AIUB Journal of Science and Engineering (AJSE) to be published in **August 2016**. Authors are invited to submit their manuscripts for the above mentioned issue of AJSE. Authors are encouraged to submit papers based on their research work highlighting their contribution in the work and novelty of the work.

Authors are requested to send their short biographies containing photographs along with their submission as mentioned in the enclosed guidelines for authors.

Further information may be obtained from:

**Dr. Carmen Z. Lamagna**

The Editor

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# GUIDE TO AUTHORS

The AIUB Journal of Science and Engineering (AJSE) is a joint publication of the Faculty of Science and Faculty of Engineering of American International University-Bangladesh (AIUB). This journal aims at publishing papers based on original, empirical and innovative research works in different areas of Science and Engineering. It is devoted to development and dissemination of knowledge in these fields for the benefit of academicians as well as practicing scientists, engineers and computer experts. Within the boundary of the above mentioned aims and scope, the journal covers a wide area of interest in the field of Science and Engineering. AJSE wishes to attract authors from all over the world, although papers from local and regional authors are highly encouraged.

## Major Topics

- Analog and Digital Electronics, VLSI and ULSI, Digital Signal Processing, Microprocessor, Control Systems Engineering, Nano Electronics, Microwave Engineering, Communications Engineering, Cellular Mobile Communications, Fiber Optic Communications, Optoelectronics, Semiconductor and Optical Devices.
- Computer Science, Information Technology, Computer Networking, Management Information Systems, Technology Marketing and Enterprising.
- Architecture, Urban technology.
- Physics, Chemistry, Mathematics, Statistics.

## Manuscript Requirement

1. Contributions should be up to a maximum of 5000 words and a short abstract of about 150 words should be provided. A manuscript should have an abstract, an introduction, a main body of the text with necessary subsections and headings, results, conclusions, and references.
2. The title of the paper should be typed using 20-pt bold Times New Roman font in title-case format. Names and affiliations of the authors should be typed after the title of the paper on top using 12-pt Times New Roman font. The names should not contain any title or designation.
3. In the page set up, the left margin should be 2 cm, right margin should be 2.5 cm, gutter should be 0.5 cm the top and bottom margins should be 2.2 cm, spacing between the two columns should be 0.5 cm. Equal column width must be used.
4. The manuscript should be typed for A4 size, using single-spaced, 10-pt font throughout (except the abstract) using Times New Roman font and double column format throughout the paper with the margin as mentioned in item 3. The manuscript must be typed using MSWord (other formats not acceptable).
5. Abstract should be typed using bold faced single-spaced, 9-pt Times New Roman font throughout the first column of the two column format as mentioned in item 4 above. The word 'Abstract' should be typed using font size 11, bold and italic.
6. Index/ Keywords should be typed using font size 9. The word 'Index/ Keywords' should be typed using font size 9, bold and italic.

7. Complete mailing address indicating designation, e-mail, telephone of the author(s) should appear at the lower left side of the 1<sup>st</sup> page in the 1<sup>st</sup> column. These should be typed using 8-pt Times New Roman font.

8. The section and subsection headings should be typed using bold 12-pt Times New Roman font.

9. The figures along with the figure captions and figure numbers should be fitted in position in double column camera-ready format. Page numbers must be provided at the bottom center.

10. Tables and figures should be numbered consecutively and must contain informative captions. Figure numbers should be written as Fig. 1, Fig. 2.

11. Figures, graphs and photographs will be printed in black and white. As a result manuscripts should contain these items in black and white. Figures should be produced using thick lines and good contrast.

12. References should be typed in the following style using 9-pt Times New Roman font:

[1] L.A. Coldren and S.W. Corzine, *Diode Lasers and Photonic Integrated Circuits*, John Wiley and Sons, New York, 1995, pp. 1-5.

[2] G.P. Agarwal and N.K. Dutta, *Semiconductor Lasers*, New York: Van Nostrand Reinhold, 1993, pp. 211-215.

[3] Michihiko Suhara, Saiful Islam and Minoru Yamada, "Criterion of External Feedback Sensitivity in Index-Coupled and Gain-Coupled DFB Semiconductor Lasers to be Free from Excess Intensity Noise", *IEEE Journal of Quantum Electronics*, Vol. 30, No. 1, January 1994, pp. 3-9.

[4] M. Jungo, F. M. di Sopra, D. Erni, and W. Baechtold, "Scaling effects on VCSELs static and dynamic behavior", *Journal of Applied Physics*, vol. 91, No. 9, May 2002, pp. 5550-5557.

13. Short biographies of the authors along with ID size photographs should be presented after the References section using the same two column format mentioned in item 4 above but using 9-pt Times New Roman font.

14. Submissions of MS Word file of the manuscript along with a cover letter must be made as attachment files with e-mails.

15. Authors are required to send signed declaration of originality and copy right transfer form which will be sent after the acceptance of the manuscript.

Papers should be sent to:

**Dr. Carmen Z. Lamagna**

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