

# Instructions for Contributors to the International Journal of Microwave and Wireless Technologies

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*This file provides instructions for authors submitting papers to IJMWT, and is available in Microsoft Word and PDF formats as well as a LaTeX file (all files can be found at: <http://journals.cambridge.org/action/displayMoreInfo?jid=MRF&type=ifc> ). These instructions are also arranged in the style of a submitted paper, so either the Word or LaTeX file can also be used as a template for submissions. As all accepted papers will be imported into typesetting software by Cambridge University Press, there is no need for authors to spend unnecessary time formatting their paper to match the appearance of the final published article. However authors must follow rules expressly specified in this document (such as how references should be formatted). All papers must include an abstract, which should be a single paragraph not exceeding 200 words providing a short summary of the main aims, results and conclusions in such a way that it highlights the importance of the paper to the wider community, not only to experts in the subject.*

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## I. INTRODUCTION

The International Journal of Microwave and Wireless Technologies publishes original papers on all aspects of microwave and RF research including applied electromagnetic theory, components, analogue and mixed-signal circuits, systems, optical-microwave interactions, electromagnetic compatibility, industrial applications, biological effects and medical applications. The journal encourages the submission of three types of paper, described below. Note that all papers should begin with an ‘Introduction’ section and finish with ‘Conclusions’.

### **A) Research Papers**

These papers describe new results in the field of microwave and wireless technologies.

### **B) Industrial Engineering Papers**

These papers describe industrial applications, or research and development programs, such as those funded within agency programs, or even surveys of industrial developments in the field.

### **C) Tutorial or Review Papers**

These papers provide comprehensive high-level tutorials on particular topics or overviews of the status of research and development on particular topics.

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### **A) Original Work**

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## III. MANUSCRIPT FORMAT

### A) Equations

Equations should be numbered consecutively as (1), (2), (3) etc. and, where necessary, referred to as such in the text. If you are preparing your paper in Word, equations can be set using MathType or Equation Editor, but should not be embedded as figures. See equation (1) for an example.

$$f_i(x(k - \tau_i)) = \sum_{p=0}^P \alpha_{pi} x(k - \tau_i) |x(k - \tau_i)|^p \quad (1)$$

### B) Tables

Tables should be headed by a self-explanatory title and referred to consecutively as Table 1 etc. Please see Table 1 as an example. Though tables can be embedded as figures in the initial submission, upon final acceptance authors must provide the source files for tables. Upon acceptance, individual figure files will be required in EPS or high-resolution TIFF format.

Table 1. Measured performances in different operating conditions.

Bias type	Fixed	Fixed	Dynamic control supply	
	$V_{DD} = 24 \text{ V}; V_G = 5 \text{ V}$	$V_{DD} = 24 \text{ V}; V_G = 5 \text{ V}$	$V_{DD} = 24 \text{ V}$	$V_G = 5 \text{ V}$
Output back-off (dB)	0	8	0	0
Output average power (dBm)	44	36	45	44
PAE (%)	33	10	38	37
ACPR (dBc)	-17	-25	-27	-32
Base-band digital predistortion	No	No	No	Yes

## C) Figures

Figures may be line drawings or photographs and should be accompanied by a self-explanatory title and referred to consecutively as Fig. 1 etc. An example is shown in Fig.1 If you request colour figures in the printed version, you will be contacted by CCC-Rightslink who are acting on our behalf to collect Author Charges. Please follow their instructions in order to avoid any delay in the publication of your article.

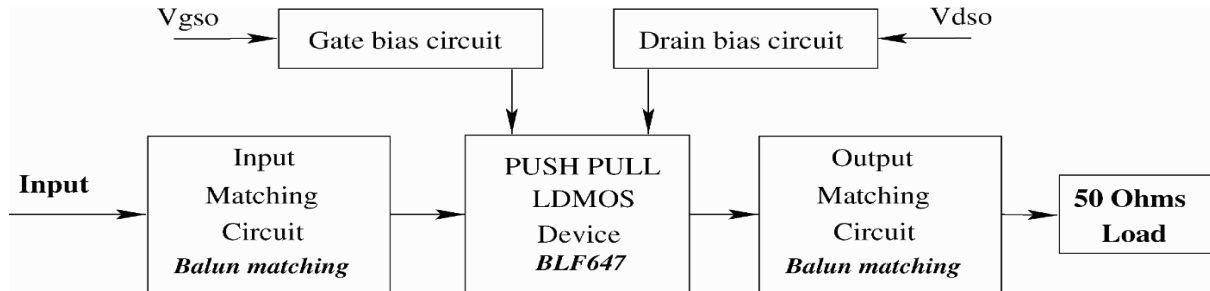


Fig. 1. Wide-band push-pull amplifier scheme.

## D) Citations

Citations in the text should be denoted as consecutive numbers in square brackets with one number per reference. For example, see the work of Author [1], Author and Other [2], and Author *et al.* [3]. Note that *et al.* is used in the citation, but the full reference in the references section should list all authors. Citations may also be inserted when the author is not being directly referenced [4], and multiple references should be indicated as, for example, [1,3] and [2 – 4].

## E) Second-level headings

As shown in this document, first-level headings should be numbered I, II, III, etc. Second-level headings should then be lettered, as per this section.

### 1) Third-level headings

As indicated here, third-level headings should be numbered 1), 2), 3), etc.

## IV. CONCLUSION

As mentioned above, all papers should close with a conclusion section.

## ACKNOWLEDGEMENT

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## REFERENCES

[1] Author, F.A.: Title of a journal article. *Int. J. Microwave and Wireless Tech.*, **1** (2009), 911–999.

[2] Author, F.A.; Other, A.N.: Title of a Book, Cambridge University Press, Cambridge, 2009.

[3] Author, F.A.; Other, A.N.; Bloggs, J.O.E.: Title of a conference paper, Name of conference, Location, 2010.

[4] Writer, A.: Title of a book chapter or section, in Title of book, Cambridge University Press, Cambridge, 2010, 1001 – 1013.

## APPENDIX

If an appendix is required, it should go here, after the references.

**Bibliographies** (no more than 150 words each, accompanied by a 75 x 88 pixel photo)



**First A. Author** received a degree in physics from the University of A in 1998 and received his Ph.D. degree in communication engineering in 2002. He now holds a research chair at the B institute. His main research interests are design and optimization of high power microwave power amplifiers.



**Second Author** received her Diploma in 1997 from the University of C and received her Ph.D. at the D University in 2001. She became a full university professor in 2009. She is currently serving as chair of the E project and is active in the study of Si power electronics.



**Third Author** received his Ph.D. in 1988 from the Physics department of the F University. He was awarded a fellowship by the G institute of H in 1999 and has been working at the University of I since 2002. He has authored more than 100 research articles and his current research interests include linear and non-linear CAD techniques and low noise receivers.

## List of figures and tables

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