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ABSTRACT

This file provides a template for writing papers for the Final Edited Proceedings **IC2EM-2018** Conference. The conference proceedings will be published in an electronic format. The full paper file shall be written in compliance with these instructions. The author is asked to submit the paper in PDF Format (Standard). Four hardcopy of the Final Proceedings will be remitted to the **National Library of Algeria** for long time conservation.

An abstract not exceeding 500 words, in English, should appear on the top of the first page, after the title of the paper in chapter titled "Abstract" (without chapter number), after the names of the authors and the contact information of the corresponding author.

**Key Words:** Maximum 5 Key words.

# 1. INTRODUCTION

It is expected that authors will submit carefully written and proofread paper. Spelling and grammatical errors, as well as language usage problems, are not acceptable in the final submission. There is no strict limitation to the number of pages, but it is suggested that the paper length should not exceed **12 pages**.

Papers should clearly describe the background of the subject, the authors work, including the methods used, and concluding discussion on the importance of the work. Papers are to be prepared in **English (British or American)**. Technical terms should be explained. Acronyms should be written out at their first appearance.

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## 3.1. Fonts

Papers should use **11-point Century School font**. It is recommended that text in figures is not smaller than 10-point font size. Please follow exactly font dimension of this template.

## 3.2. Tables and Figures

Figure captions and table headings should be sufficient to explain the figure or table without needing to refer to the text. Figures and tables not cited in the text should not be presented. Styles Heading Table and Caption Figure are available in this template for tables and figures. The following is the example for Table.1.

Table.1 Performances summary of the proposed amplifier

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Tech.**($μm$) | **CPD**($pF$) | **BP**($GHz$) | **Gain**($dBΩ$) | **Noise****(**${pA}/{\sqrt{Hz}}$) | **Power**($mW$) |
| 0.35 | 1.5 | 1.90 | 65.0 | 9.7 | 17 |
| 0.50 | 0.6 | 1.20 | 64.0 | 0.6 | 115 |
| 0.18 | 0.2 | 1.80 | 58.7 | 13.0 | 47 |

Tables and figures should be placed close after their first reference in the text. All figures and tables should be numbered with Arabic numerals. Table headings should be above the tables. Figure captions should be centred below the figures. **Minimum figures’ resolution: 600dpi**. Please avoid figures from the internet without permission. The following is the example for Figure.1.



Figure.1: 30 The principle of transimpedance (TIA) amplifier

## 3.2. Equations

Equation must be written with Word Math Editor or MathType. Equations must numbered and cited in the text.

$R\left(t\right)=1-e^{-λt}$ (1)

 $F\left(t\right)=1-R\left(t\right)=e^{-λt}$ (2)

**ACKOWLEDGEMENTS**

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