Review

Test Methodologies for Sensor-based Systems in the Automotive Industry

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**Abstract:** The Automotive industry is a flourishing domain, where technological breakthroughs occur very frequently. Today, automobiles incorporate a series of intricately designed electronic and electric components, which collect data from the driving environment via sensors, with the ultimate purpose of ensuring vehicle, driver, passenger and pedestrian safety. In this review, we compiled several testing methodologies for testing sensor-based systems that are found in an automobile, giving you a short overview on them and discussing its components and the benefits and compromises that they induce.

**Keywords:** testing, sensors, automotive

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The template details the sections that can be used in a manuscript. Note that each section has a corresponding style, which can be found in the “Styles” menu of Word. Sections that are not mandatory are listed as such. The section titles given are for articles. Review papers and other article types have a more flexible structure.

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3.1.1. Subsubsection

Bulleted lists look like this:

* First bullet;
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| **Title 1** | **Title 2** | **Title 3** |
| entry 1 | data | data |
| entry 2 | data | data 1 |

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|  |  |
| --- | --- |
| C:\Users\martin\Downloads\testFigure.tif | C:\Users\martin\Downloads\testFigure.tif |
| (**a**) | (**b**) |

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This is example 1 of an equation:

|  |  |
| --- | --- |
| a = 1, | (1) |

the text following an equation need not be a new paragraph. Please punctuate equations as regular text.

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|  |  |
| --- | --- |
| a = b + c + d + e + f + g + h + i + j + k + l + m + n + o + p + q + r + s + t + u + v + w + x + y + z | (2) |

the text following an equation need not be a new paragraph. Please punctuate equations as regular text.

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