**2015 AWES Undergraduate Wind Engineering Prize**

**Cover Sheet**

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| **Title of Thesis / Project:**  |  |
| **Name(s) and Email of Student Author(s):** |  |
| **Name(s) and Email of Supervisor(s):** |  |

**Declaration**

This submission is a summary of the Final Year Thesis/Project carried out by the Author(s) at *[Name University and department/school]* in the academic year of 2015. This submission is prepared by the Author(s) alone.

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|  |  |  |
| Student name(s) |  | Signature(s) |

**Relevance to Wind Engineering**

Describe the relevance of your thesis to the field of Wind Engineering (200 word limit).

**Thesis Title (Times New Roman font, bold, size 14)**

Student Author(s)\* (Times New Roman font, size 12)

*\* Affiliation- Student(s) including email addresses (Times New Roman font, italics, size 12)*

**INTRODUCTION**

Describe the background (including literature review) and aims/objectives of the work. The main body text should be typed single-spaced and justified with no indent. Please use a Times New Roman 11 pt font type. Insert one return between paragraphs. Do not exceed the margins given in this template.

Provide a summary of your thesis using a limit of 5 pages; there are no word, figure or table limits. Please do not reduce spacing requirements between paragraphs or reduce size of text in the main body, tables or figures. All text should be 11pt(Times New Roman). Do not modify margins.

**THEORY/ANALYSIS/TESTING**

These sections should be summary descriptions of the methods/techniques used (theory used in these methods should be described unless easily accessible in references or standard texts). The titles of these sections may be changed accordingly.

Use two levels of headings. Please do not number them. Major headings are typed bold in 11pt upper case (capital letters), with two lines space above and none below.

**Minor headings**

Minor headings are in 11pt bold type, not indented, with one line of space above and none below. Do not number headings. Use sub-headings if needed.

**RESULTS AND DISCUSSIONS**

This section should be a clear presentation of experimental results obtained, highlighting any trends or points of interest.

Figures and tables should appear in numerical order, be described in the body of the text and be positioned close to where they are first cited. Make sure all figures and tables will fit inside the text area. Please ensure all text inside figures is legible; minimum of 10pt equivalent is required.

Reference citations in text, by using surname of author and year of publication: Armitt (1968) or (Armitt, 1968). The abbreviation "*et al.*" should be used in the text when there are more than two co-authors of a cited paper. The references should be easily accessible and preferably in English. References must always be given in sufficient detail for the reader to locate the work cited (see below for acceptable format).

**CONCLUSIONS**

An adequate conclusion, a brief explanation of the significance and implications of the work must be presented. You may also specify recommendations.

**REFERENCES**

E. Achenbach (1971), *Influence of surface roughness on the cross-flow around a circular cylinder,* Journal of Fluid Mechanics, 46: 321-335.

T. Adachi (1995), *The effect of surface roughness of a body in high Reynolds Number flow*, Journal of Rotating Machinery, 1: 187-197.

J. Armitt (1968), *The effect of surface roughness and free stream turbulence on the flow around a model cooling tower at critical Reynolds Numbers,* Paper 6, Symposium on Wind Effects on Buildings and Structures, Loughborough, U.K.

British Standards Institution, *Eurocode 1: Actions on structures – Part 1-4: General actions – wind actions,* BS EN 1991-1-4:2005.

J.C.K. Cheung and W.H. Melbourne (1983), *Turbulence effects on some aerodynamic parameters of a circular cylinder,* Journal of Wind Engineering and Industrial Aerodynamics, 14: 399-410.

ESDU International (1986), *Mean force, pressures and flow field velocities for circular cylindrical structures: single cylinder with two-dimensional flow,* Data Item 80025, October 1980, amended June 1986.