

## **Full Paper Title in Title Case**

**(Each Word of the Title Should be Capitalized)**

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### **ABSTRACT**

This file provides a template for writing papers for the conference. The conference proceedings will be published in an electronic format only and abstracts will also be printed to hand outs. The full paper in MS Word file shall be written in compliance with these instructions. Later on it will be converted into Portable Document Format (PDF).

An abstract not exceeding 500 words 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.

### **1 INTRODUCTION**

It is expected that authors will submit carefully written and proofread material. Spelling and grammatical errors, as well as language usage problems, are not acceptable. There is no strict limitation to the number of pages, but it is suggested that the paper length should not exceed 10 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) and SI-units shall be used. Technical terms should be explained unless they may be considered to be known to the broader nuclear community. Acronyms should be written out at their first appearance.

### **2 PAPER FORMAT**

The uniform outlook will help the reader to follow the proceedings. This can be obtained most easily if authors use this template file to construct their papers. Please note the following details: this template is an A4 format with 20 mm margins left, right, top and bottom. Header and footer shall be positioned 16 mm from the edge.

All text paragraphs should be single spaced, with first line intended by 10 mm. Double spacing should only be used before and after headings and subheadings as shown in this example. Position and style of headings and subheadings should follow this example. No spaces should be placed between paragraphs. Please DO NOT change any of the above mentioned page, paragraph and font settings.

### 2.1 Header, Footer, Page Numbering

If this template is used when writing the full paper, headers and footers will be set automatically. Authors are only asked to replace the "eRC-XX" number (with the paper code that has been assigned when the abstract was accepted) on the header of the first page and on the footer of other pages in order to set a unique page number in the Proceedings.

### 2.2 Fonts

Papers should use 12-point Times New Roman font. The styles available are bold, italic and underlined.

It is recommended that text in figures is not smaller than 10-point font size.

### 2.3 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.

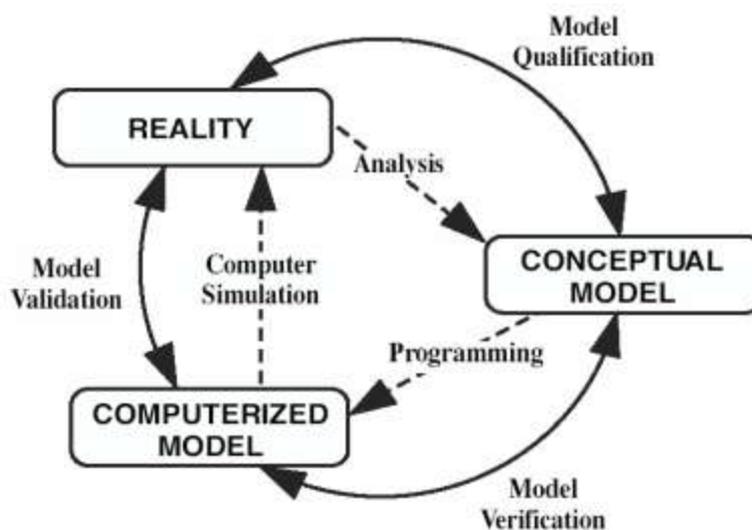
The following is the example for Table 1.

Table 1 Title of Example Table

Header	X	Improved
(Flow control valves) Air operated valves	4	Yes
Check valves	2	Yes
Line discharge check valves	4	Yes
Pump discharge check valves	3	Yes
Motor driven pumps	2	Yes
Motor driven pumps	2	No

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 centred above the tables. Figure captions should be centred below the figures.

Figure 1: Verification, Validation and Qualification



## 2.4 Equations

Each equation should be presented on a separate line from the text with a blank space above and below. Equations should be clear and expressions used should be explained in the text. The equations should be numbered consecutively at the outer right margin, as shown in Eq. (1) and (2) below. Here is one example. The number of different ways that a specified component can fail with  $(k-1)$  other components in a group of  $m$  similar components is:

$$\binom{m}{k-1} = \frac{m!}{(k-1)!(m-k)!} \quad (1)$$

Thus, the total failure probability,  $Q_t$ , of component in a common cause group of  $m$  components is:

$$Q_t = \sum_{k=1}^m \binom{m}{k-1} p^k \quad (2)$$

## 2.5 References

Reference numbers in the text should be designated by square brackets, e.g., [1]. The references should be listed in the same order as cited in the text. See also examples in the REFERNCES section of this template.

## 3 SUBMITTING THE PAPER

The draft versions of the full paper have to be submitted electronically through the [eRC2013](#) website or by e-mail to the address [scientific@redsoft.org](mailto:scientific@redsoft.org). Final version of the paper and abstract should be submitted by 15<sup>th</sup> **December 2013**.

Paper number (in the format "eRC-XX") is assigned to each abstract and full paper after it was accepted and authors are kindly asked to place the paper number to the correct positions in the header and footer before submitting the final version of the abstract and full paper.

The final paper file name should be the same name as for the accepted abstract (e.g. "S3-56.doc").

## 4 CONFERENCE PROGRAMME AND PROCEEDINGS

The abstracts and final papers are compiled into the conference Proceedings CD-ROM.

## 5 CONCLUSION

Conclusions should state concisely the most important propositions of the paper as well as the author's views of the practical implications of the results.

## REFERENCES

- [1] International Atomic Energy Agency, “Procedures for Conducting Common Cause Failure Analysis in Probabilistic Safety Assessment”, IAEA-TECDOC-648, 1992
- [2] K.N. Fleming, S.B. Rao, G.A. Tinsley, A. Mosleh, A. Afzali, “A Database of Common-Cause Events for Risk and Reliability Applications”, EPRI TR-100382, Electric Power Research Institute, Paolo Alto, CA., 1992
- [3] A. Mosleh, K.N. Fleming, G.W. Parry, H.M. Paula, D.M. Rasmuson, D.H. Worledge, “Procedures for Treating Common Cause Failures in Safety and Reliability Studies”, NUREG/CR-4780, EPRI NP-5613, Electric Power Research Institute, Paolo Alto, CA., Vol. 1 (1998), Vol. 2 (1999)8i
- [4] Relcon AB, “Risk Spectrum Professional User’s Manual”, 1998