

# Paper Submission Template for ATHENA Annual Research Book

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**Abstract.** *The abstract is to be in fully-justified italicised text, as presented here, below the author(s)' names. Use the word "Abstract." in 10-point Times, boldface type, left positioned, initially capitalised, followed by the abstract in 10-point, single-spaced type, up to 150 words long.*

*Leave one blank line after the abstract, and then begin the keywords. Use the word "Keywords." in 10-point Times, boldface type, left positioned, initially capitalised, followed by a minimum of five and up to ten keywords in 10-point, separated by a comma, as below.*

**Keywords.** ATHENA Research Book, min 5 keywords

## 1 Introduction

This is an example of an ATHENA Annual Research Book submission. These guidelines include a complete description of the paper style, including formatting, fonts, spacing, and related information for producing your proceedings manuscripts.

This template can be used to create your own paper, but if you have any troubles or if in doubt, do not hesitate to contact us via e-mail: [ATHENA-research-book@um.si](mailto:ATHENA-research-book@um.si) or via the project's website at <https://athena-uni.eu/>.

## 2 Background and Motivation

ATHENA, a European University alliance of seven higher education institutions, aims at fostering excellence in research and innovation by facilitating international cooperation. The ATHENA Research Book provides a platform that promotes joint and interdisciplinary research projects of both advanced and early-career researchers.

For the first pilot collection, we are currently inviting *Review Papers*, presenting prominent scientific achievements of the ATHENA Alliance partners, *Original Research*

*Papers*, focusing on ideas and achievements contributing to the concept of the European University, and *Students Papers*.

In the first volume of the ATHENA Research book the variety of research fields of ATHENA partners, their strengths and excellence in research should be displayed. Contributions are not limited to any range of disciplines or fields of science.

### 3 Types of Contributions

#### 3.1 Review and Original Research Papers

**Review Papers** present and analyse previously published research activities and should be based on existing relevant publications.

**Original Research Papers** present scientific (original) research. Manuscripts should be detailed accounts of research activity written by the researchers of the ATHENA Alliance and should highlight flagship research projects in each university, and potential for future cooperation between alliance partners. Reprints of published papers (referring to the origin) are also invited, aiming to showcase outstanding research achievements of ATHENA universities.

Review and Original Research Papers should be from 10 to 20 pages long (approximately from 20.000 to 40.000 characters with spaces).

#### 3.2 Student Contributions

The Editorial Board encourages student contributions. These can be either (a) short communications on student theses at masters and doctoral level or (b) short communications on best practices and cooperation models, displaying the interrelation of teaching courses and the research from the perspective of students, whereby supervisor involvement is possible.

Student contributions should be up to 5 pages long (approximately 10.000 characters with spaces).

#### 3.3 Short Reports

In an introductory section to the Research Book, short reports on research activities and events as well as scientific book reviews will be highlighted. The reports and reviews addressing a wider audience should provide insight into ATHENA Alliance activities, displaying the societal impact of research, including cooperation with industry and other stakeholders.

Short reports should not exceed the length of 6.500 characters with spaces.

### 4 Paper Organization and Formatting

All papers should be written in English and arranged in the following order:

- Main title
- Author(s), (affiliation(s), full and e-mail addresses in footnote)

- Abstract
- Keywords
- Body text (Main text)
- Footnotes
- Acknowledgements
- References

All printed material, including text and figures, must be kept within a print area of 12,9 cm (5") wide by 19.2 (7.7") high. Do not write or print anything outside the print area. Paper size is: 16,5x23,5 cm (6.5x9.3"). Margins on top are 2,5 cm (1"), others (bottom, left, right) are 1.8 cm (0,7"). All text must be in a one-column format. The text must be fully justified.

The final submission has to be submitted in a single PDF file with all fonts that are used embedded, and also the source file (Microsoft Word).

## 5 Main Title

The main title (on the first page) should be cantered and in Times 18-point, boldface, small caps. Capitalise the first letter of nouns, pronouns, verbs, adjectives, and adverbs; do not capitalise articles, coordinate conjunctions, or prepositions (unless the title begins with such a word).

## 6 Author Name(s) and Affiliation(s)

Author names should be centred beneath the title and printed in Times 10-point type. Author names should be in boldface.

Authors' affiliation, affiliations' full addresses and e-mail addresses should be centred beneath the authors' names. Authors' information should be given in Times 9-point type.

## 7 Type-style and Fonts

Wherever Times is specified, Times Roman or Times New Roman may be used. If neither is available on your word processor, please use the font closest in appearance to Times that you have access to.

**Also, ensure that all fonts in the final PDF file are embedded.** You can make sure that your fonts are embedded by opening the PDF file in some PDF viewing programmes and taking a look at the properties of the document.

## 8 First-order Headings (Long Headings may Extend to the Next Line Like so)

First-order Headings should be Times 12-point boldface, initially capitalised, and flush left. Headings should have 18-point top and 12-point bottom paragraph spacing, except for the first heading with no top spacing.

Don't use periods (".") after the heading number; use them only in lower-order headings to separate them from higher-order headings. For *long* headings use *a hanging indent* aligning the text to the right of the heading number as shown above.

All paragraphs in the text should be indented except for the first paragraph in a section.

## 8.1 Second-order Headings

Second-order Headings should be Times 10-point boldface, initially capitalised, flush left, with 16-point top spacing and 6-point bottom paragraph spacing. Use a hanging indent for long headings.

### 8.1.1 Third-order Headings

As in this paragraph, third-order headings should be 10-point Times, boldface, initially capitalised, flush left, with 12-point top spacing and 4-point bottom paragraph spacing. Use a hanging indent for long headings.

## 9 Main Text

Type your main text in 10-point Times, single-spaced. Do not use double-spacing. All paragraphs should be indented 0.5 cm (0.2") except for the first paragraph in a section.

Be sure your text is fully justified—that is, flush left and flush right. Please do not place any additional blank lines between paragraphs.

### 9.1 Figures

All figures are to be included within the text and flushed left. **Figure captions** should be *below* the figures, in 9-point Times, normal face. Initially, capitalise only the first word of each figure caption.

Figures are to be numbered consecutively with Arabic numerals throughout the paper, for example: "Figure 1. Empirical methods", and are referred to in the text as Fig. 1, Fig. 2, etc.

### 9.2 Illustrations, Photographs and Graphs

Illustrations, photographs, and graphs are considered as figures. All graphics should be flushed left. Your artwork must be in place in the article (preferably printed as part of the text rather than pasted up). Supply the best quality photographs and illustrations possible.

Pencilled lines and very fine lines do not reproduce well. Remember, the book's quality cannot be better than the originals provided. You can provide images in colour since the papers will be published on the website of ATHENA University.

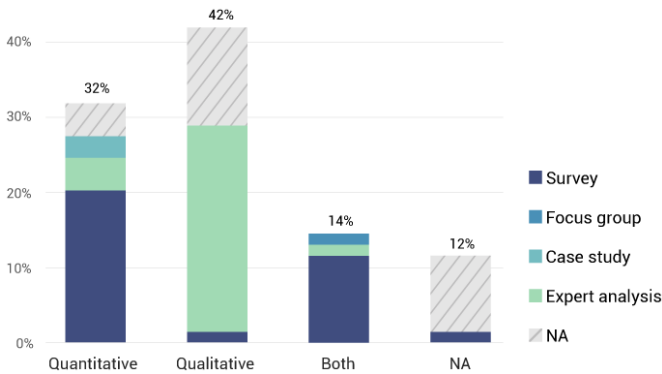


Figure 1. Times, 9 points, normal face

9.3 Tables

All tables are to be included within the text and flushed left. **Table titles** should be *above* the tables, in 9-point Times, normal face. Initially, capitalise only the first word of each table title. Tables are to be numbered consecutively with Arabic numerals throughout the paper, for example: “Table 1. Input data”, and are referred to in the text as Table 1, Table 2, etc. Column headings should be as brief as possible.

Table 1. Table example

	Column 1	Column 2	Column 3	Column 1	Column 2	Column 3
Row 1	1	2	3	1	2	3
Row 2	4	5	6	4	5	6
Row 3	3	4	7	3	4	7
Row 4	2	2	4	2	2	4
Row 5	1	3	2	4	5	7

9.4 Equations

Equations should be numbered serially on the right-hand side by Arabic numerals in parentheses and referred to in the text by eq. 1, eq. 2 etc.

3x<sup>2</sup> + 3x – 23 = 0

(1)

9.5 Footnotes

Use footnotes sparingly (or not at all) and place them at the bottom of the column on the page on which they are referenced.<sup>1</sup>

<sup>1</sup> Use Times 8-point type, single-spaced. Avoid using footnotes altogether and include necessary peripheral observations in the text (within parentheses, if you prefer, as in this sentence).

## 10 In-text Citations and Referencing

In-text citation must be used to denote all text used from another author(s) work or from authors previously published own work. When referenced in the text, number the references using Arabic numerals enclosed in square brackets.

List and number in order of appearance all bibliographical references, in 10-point Times, with a hanging indent, at the end of your paper. Use 6-point paragraph spacing after each reference.

In the References section below, you will find examples of common types of bibliographical items: book [1], journal paper [2], journal paper with more than three authors [3], conference proceedings paper [4], report or standard [5] and webpage [6]. For other types of bibliographical items, refer to the **IEEE style guidelines**. It should be ensured that every reference cited in the text is also listed in the References section (and vice versa).

## 11 Acknowledgments

Acknowledgements, if necessary, should appear in a separate paragraph preceding the references.

## 12 References

- [1] C. Stolp and E. R. Tufte, “The Visual Display of Quantitative Information,” *Journal of Policy Analysis and Management*, vol. 4, no. 4, p. 620, 1985, doi: 10.2307/3323797.
- [2] B. Tversky and J. Morrison, “Animation: can it facilitate?,” *International Journal of Human-Computer Studies*, vol. 57, pp. 247–262, 2002.
- [3] G. Robertson, K. Cameron, M. Czerwinski, and D. Robbins, “Animated visualization of multiple intersecting hierarchies,” *Information Visualization*, vol. 1, no. 1, pp. 50–65, Mar. 2002, doi: 10.1057/palgrave/ivs/9500002.
- [4] G. Popescu and A. Wegmann, “Using the physics of notations theory to evaluate the visual notation of SEAM,” in *Proceedings - 16th IEEE Conference on Business Informatics, CBI 2014*, Jul. 2014, vol. 2, pp. 166–173. doi: 10.1109/CBI.2014.21.
- [5] *ISO - ISO 9186-1:2014 - Graphical symbols — Test methods — Part 1: Method for testing comprehensibility*, 2nd ed. Geneva: International Organization for Standardization, 2014.
- [6] F. Rivoal, “Media Queries,” *W3C*, 2012. <http://www.w3.org/TR/css3-mediaqueries/> (accessed May 30, 2013).