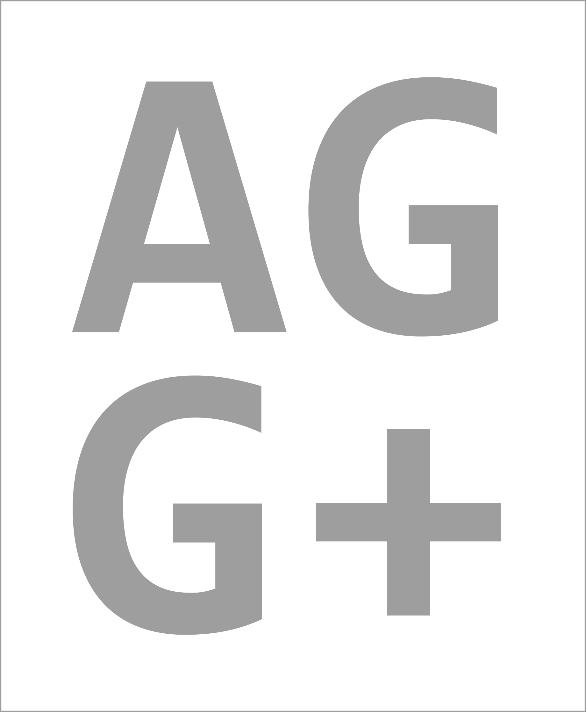
**University of Banja Luka I** Faculty of Architecture, Civil Engineering and Geodesy

ISSN 2712-0570 **I**  UDC 72

 **2025\_13(1)**

AGG+ Journal for Architecture, Civil Engineering, Geodesy and Related Scientific Fields

AГГ+ часопис за архитектуру, грађевинарство, геодезију и сродне научне области

**002-015 Categorisation** I XXXXXXXXXXXXXXXXX

**DOI** I XXXXXXXXXXXXXXXXX

**Paper received**  I XX/XX/20XX

**Paper accepted** I XX/XX/20XX

Author 1

Company/institution, country, e-mail, ORCID

Author 2

Company/institution, country, e-mail, ORCID

Author 3

Company/institution, country, e-mail, ORCID

Author 1 (name of author, no titles included, font Calibri pt 10, bold, left alignment, single spacing, paragraph spacing after 3 pt, or style: *Author*)

Company/institution, country, e-mail, ORCID (Calibri pt 9, italic, left alignment, single spacing, paragraph spacing after 12 pt, or style: Affiliation)

Author 2

Company/institution, country, e-mail, ORCID

Author 3

Company/institution, country, e-mail, ORCID

Title of paper in English - (not more than 20 words) (Calibri pt 12, bold, capital letters, left alignment, single spacing, paragraph spacing before 48 pt, or style: *MAIN* *TITLE*)

ABSTRACT (Calibri pt 10, bold, capital letters, italic, left alignment, single spacing, paragraph spacing after 18 pt, or style: AB)

The abstract should present a brief and factual account of content and conclusions of the paper, and an indication of the relevance of the new material presented. The maximum length of the abstract is 300 words. The abstract text is a single paragraph. There should be no references to tables, figures or bibliography. The title of the paper with the author's names and afilation may not exceed one page. The body of the paper is to begin on the following page. (Calibri pt 9, justified alignment, single spacing, paragraph spacing before 6 pt, or style: *Abstract*).

**Keywords:** key word 1,... key word 5. (font Calibri pt 9, italic, justified alignment, single spacing, paragraph spacing before 12 pt, or style: Кeywords)

1. Heading I (1. INTRODUCTION, 2. CHAPTERS, 3. CONCLUSION, and 4. BIBLIOGRAPHY, Calibri pt 12, capital letters, left alignment, single spacing, paragraph spacing before 24 pt, indentation hanging 5 mm, or style: *Heading I*)
   1. Heading II (Calibri pt 10, capital letters, left alignment, single spacing, paragraph spacing before 12 pt, indentation hanging 10 mm, or style: *Heading II*)
      1. Heading III (Calibri pt 10, bold, left alignment, single spacing, paragraph spacing before 12 pt, indentation hanging 15 mm, or style: *Heading III*)

**Page setup:** Page size is А4, vertical, mirror margins: top 55mm, bottom 20 mm, inside 20 mm, outside 55 mm. The document has a cover page. Article must not exceed 6000 words, inclusive of tables, references, figure captions, footnotes.

**The text of the paper:** Text should be written in English language. Proofreading of the article will be provided by the Journal. Acceptable text editors: MS Word 2003 or newer versions. (Calibri pt 10, justified alignment, single spacing, paragraph spacing, before 6 pt, or style: *Basic text*)

The text shall be organized in the following order:

* Authors' full names with affiliation, country, email address and ORCID number (optional).
* Title of the paper (not more than 20 words). Papers should be headed by a concise but informative title that clearly reflects the subject of the paper.
* Abstract (not more than 300 words) should present a brief and factual account of content and conclusions of the paper, and an indication of the relevance of the new material presented.
* List of keywords in English. Keywords normally originate from the title and from the abstract.
* Introduction should state the reason for the work, with brief reference to previous work on the subject. It informs about the applied method and its advantages.
* The central part of the paper may be arranged in sections and should explain methodology used, research results and discussion of the gained results. Complete mathematical procedures for formula derivations should be avoided. The necessary mathematical descriptions may be given in an appendix. Authors are advised to use examples to illustrate the experimental procedure, applications or algorithms. In general, all the theoretical statements have to be experimentally verified.
* In Conclusion all the results are stated, and all the advantages of the used method are pointed out. The limitations of the method should be clearly described as well as the application areas.
* Acknowledgements can be added following the Conclusion.
* A list of references should be given at the end of the paper and numbered in square brackets in order of their appearance in the text followed by other literature.
* Authors' biographies (not more than 150 words).
* Title, abstract and keywords translated in Serbian language (Cyrillic). This is optional. If the author does not offer the translation, it will be provided by the Journal.

1. TABLES

Each table must be numbered and referenced in the text of the paper, e.g. (Table 1). The text in tables and charts is to be aligned left and the captions of tables are to be placed above the table and aligned central.

**Table 1.** Table caption (Calibri pt 8, italic, central alignment, single spacing, paragraph spacing before 12 pt, or style: Table caption)

|  |  |
| --- | --- |
| Text in tables and charts | (Calibri pt 9, left alignment, single spacing, or style: Table graph text) |

1. Figures and charts

Figures and charts must be numbered and centered, as well as referenced in the text of the paper, e. g. (Figure 1) or (Chart 1). They do not need to be placed in text boxes. The text inside charts must be Calibri, pt 8. The captions are to be placed underneath figures and charts and centered. The captions should contain the origin of the figure and follow the IEEE citing style. The author(s) should possess permission to publish all visual contributions that accompany the text. If the figures have not been published, state the name of the author(s)/copyright holder(s) in parentheses after a short description. The number of figures should not exceed 8.

The minimum resolution of inserted photographs is 300 dpi (color) or 150 dpi (black-and-white). We recommend that you put the figures *in-line-with-text* formatted with style *Picture format.* All Figures in the Journal shall be printed in black-and-white technique. Colored Figures will be seen only in PDF format online.

**Chart 1.** Caption (Calibri pt 8, italic, central alignment, single spacing, paragraph spacing before 6 pt, paragraph spacing after 18 pt, or style: Figures and charts caption)

A picture containing text, sign

Description automatically generated

Figure 1. Caption (photography/drawing/diagram by …)

1. Equations/formulae

Equations/formulae are to be numbered and place along the right-hand margin of the paper (Calibri pt 10, right alignment, paragraph spacing before 12 pt, paragraph spacing after 12 pt, or style: *Equation*)



1. REFERENCES

AGG+ uses the IEEE citation style. The IEEE style is a numeric style, where citations are numbered [1] in order of appearance. This citation leads your reader to a full reference to the source in the list of references at the end of your work. Each citation number should be enclosed in square brackets on the same line as the text, before any punctuation, with a space before the bracket [2]. Once a source has been cited, the same number is re-used for all subsequent citations to the same source. Please consult for details <https://ieeeauthorcenter.ieee.org/wp-content/uploads/IEEE-Reference-Guide.pdf>

A numbered list of references is given at the end of the paper in the chapter *References*.

The IEEE citation style has 3 main features:

1. The author name is first name (or initial) and last name.
2. The title of an article (or chapter, conference paper, patent etc.) is in quotation marks.
3. The title of a journal or book is in italics.

It is generally recommended to avoid inserting footnotes and to integrate them in the text.[[1]](#footnote-1)

**It is strongly recommended that authors use online citation generators or Microsoft Word Citation Manager due to extended periods of corrections of references according to citation style.** An example of the generator: <https://www.mybib.com/tools/ieee-citation-generator>

Print sources

**Book:** Author(s), *Book title*. Location: Publisher, year, pp.

1. W.K. Chen, Line*ar Networks and Systems*. Belmont, CA: Wadsworth, 1993, pp. 123-35.

**Book chapter:** Author(s), “Chapter title,” in *Book title*, edition, volume. Editor’s name, ed. Location: Publisher, year, pp.

1. J.E. Bourne, “Synthetic structure of industrial plastics,” in *Plastics*, 2nd ed., vol. 3. J. Peters, Ed. New York: McGraw-Hill, 1964, pp.15-67.

**Article in a journal:** Author(s), “Article title,” *Journal title*, edition, pp, year.

1. G. Pevere, “Infrared Nation,” *The International Journal of Infrared Design,* vol. 33, pp. 56-99, 1979.

**Articles from conference proceedings (published):** Author(s), “Article title,” in *Conference title*, year, pp.

1. D.B. Payne and H.G. Gunhold, “Digital sundials and broadband technology,” in *Proc. IOOC-ECOC*, 1986, pp. 557-998.

**Papers presented at conferences (unpublished):** Author(s), “Article title,” presented at Conference title, Location, year.

1. B. Brandli and M. Dick, “Engineering names and concepts,” presented at the 2nd Int. Conf. Engineering Education, Frankfurt, Germany, 1999.

**Patent:** Author(s), “Name,” Country of patent registration, Patent number, date.

1. E.E. Rebecca, “Alternating current fed power supply,” U.S. Patent 7 897 777, 03.11, 1987.

Electronic sources

**Book:** Author. (year, dan. month). *Book title*. (edition). [Type of medium]. Vol. (issue). Available: site/path/file [date accessed].

1. S. Calmer. (1999, 23. јуни). *Engineering and Ar*t. (2nd edition). [On-line]. 27(3). Available: www.enggart.com/examples/students.html [21.05. 2003].

**Journal:** Author. (year, month). “Article title.” *Journal title*. [Type of medium]. Vol. (issue), pages. Available: site/path/file [date accessed].

1. A. Paul. (1987, Oct.). “Electrical properties of flying machines.” *Flying Machines*. [On-line]. 38(1), pp. 778-998. Available: www.flyingmachjourn/properties/fly.edu, [01.12. 2003].

**World Wide Web:** Author(s)\*. “Title.” Internet: URL, [date accessed].

1. M. Duncan. “Engineering Concepts on Ice. Internet: www.iceengg.edu/staff.html, [29.11. 2003].

Other sources

**Newspaper:** Author(s)\*. “Article title.” *Newspaper* (month, year), pages.

1. B. Bart. “Going Faster.” *Globe and Mail* (Oct. 14, 2002), p.1.
2. “Telehealth in Alberta.” *Toronto Star* (Nov. 12, 2003), pp. 1-3.

**Dissertations and theses:** Author. “Title.” Degree level, school, location, year.

1. S. Mack. “Desperate Optimism.” M.A. thesis, University of Calgary, Canada, 2000.

**Lecture:** Lecturer(s). Occasion, Topic: “Lecture title.” Location, date.

1. S. Maw. Engg 251. Class Lecture, Topic: “Speed skating.” ICT 224, Faculty of Engineering, University of Calgary, Calgary, Alberta, Oct. 31, 2003.

**E-mail:** Author. “Subject line of posting.” Personal e-mail (date)

1. J. Aston. “RE: new location, okay?” Personal e-mail (Jul. 3, 2003).

**Internet - Newsgroup:** Author or Topic\*, “Title,” URL, [date accessed].

1. G.G. Gavin. “Climbing and limb torsion #3387,” USENET: sci.climb.torsion, Apr. 19, 2000 [Oct. 4, 2002].

\* to be excluded if unavailable.

* 1. Exact page number References

To refer readers to specific page numbers in the text, use the number of the reference followed by a colon (:) and the page numbers (e.g. *“*Johnson suggests that citing will lead to a decrease in being cited for plagiarism [1:28-29]”.

The [1] refers to the numbered reference and the 28-29 refers to the pages being cited.

* 1. REFERENCES IN OTHER LANGUAGE

Translate the references into English and state the name of the language in the original in parentheses after the title. Please consult for details <https://ieeeauthorcenter.ieee.org/wp-content/uploads/IEEE-Reference-Guide.pdf>

Basic Format:

J. K. Author, “Name of paper,” (in Language), Abbrev. Title of Periodical, vol. x, no. x, Abbrev. month, year, Art. no. xxx.

Example:

1. E. P. Wigner, “On a modification of the Rayleigh–Schrodinger perturbation theory,” (in German), *Math. Naturwiss. Anz. Ungar. Akad. Wiss.*, vol. 53, p. 475, 1935.
2. TRANSCRIPTION

All proper names should be written in the Latin alphabet.

Non-English names are to be used in the original form and written in italics (e. g.: *Bauhaus, École des Beaux-Arts, Nygat* etc.).

Exceptionally, a foreign word or phrase may be used if it helps to understand a sentence or the context of the text or provides an additional meaning, in which case the word or phrase in question must be put in italics (e.g.: *Gesamtkunstwerk, mise en scène, ethnoscape, aurea aetas* etc.).

**Note**: The papers not complying with the above instructions will be returned to authors for correction.

Authors’ biographies

Author 1 (Name and surname) (Calibri pt 9, left alignment, single spacing, paragraph spacing before 18 pt, or style: *Biography\_author*)

The maximum length of biography is 150 words. Please bear in mind that all the biographies and Summary of the paper in Serbian language must not exceed one page. (Calibri pt 10, justified alignment, single spacing, paragraph spacing before 6 pt, or style: *Biography\_text*).

Author 2 (Name and surname) (Calibri pt 9, left alignment, single spacing, paragraph spacing before 18 pt, or style: Biography\_aut*hor*)

The maximum length of biography is 150 words. Please bear in mind that all the biographies and Summary of the paper in Serbian language must not exceed one page. (Calibri pt 10, justified alignment, single spacing, paragraph spacing before 6 pt, or style: *Biography\_text*).

Author 3 (Name and surname) (Calibri pt 9, left alignment, single spacing, paragraph spacing before 18 pt, or style: *Biography\_author*)

The maximum length of biography is 150 words. Please bear in mind that all the biographies and Summary of the paper in Serbian language must not exceed one page. (Calibri pt 10, justified alignment, single spacing, paragraph spacing before 6 pt, or style: Biography\_text).

Author 4 (Name and surname) (Calibri pt 9, left alignment, single spacing, paragraph spacing before 18 pt, or style: *Biography\_author*)

The maximum length of biography is 150 words. Please bear in mind that all the biographies and Summary of the paper in Serbian language must not exceed one page. (Calibri pt 10, justified alignment, single spacing, paragraph spacing before 6 pt, or style: *Biography\_text*).

НАСЛОВ РАДА на српском језику (Calibri pt 10, bold, colour white, left alignment, single spacing, paragraph spacing before 42 pt, after 24 pt, or style: НАСЛОВ)

**Сажетак:** Сажетак треба да представља кратак и чињенични приказ садржаја и закључака рада, као и назнаку релевантности новог материјала који је представљен. Максимална дужина сажетка је 300 ријечи. (Calibri pt 9, colour white, justified alignment, single spacing, paragraph spacing before 6 pt, or style: Сажетак).

Кључне ријечи: кључна 1,... кључна 5. (Calibri pt 9, italic, colour white, justified alignment, single spacing, paragraph spacing before 12 pt, or style: Кључне ријечи)

1. It is generally recommended to avoid inserting footnotes and to integrate them in the text. [↑](#footnote-ref-1)