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INSTRUCTIONS FOR PREPARING MANUSCRIPT (TITLE)

¹N.N. Author, ²N.N. Co-author(s)

¹Affiliation of first author

²Affiliation of second author (if different from first Authors)

¹E-mail: corresponding_authors@mail.com, ¹ORCID ID

²E-mail: next_authors@mail.com, ²ORCID ID

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Each paper must begin with an abstract. The abstract should be typed in the same manner as the body text (see below). Please note that these Instructions are typed just like the manuscripts should be. The abstract must have at least 1800 phonetic symbols, supplying general information about the achievements, and objectives of the paper, experimental technique, methods applied, significant results and conclusions. Page layout: the text should be printed on the paper A4 format, at least 5 pages, with margins of: Top - 3, Bottom, Left and Right - 2 cm. The abstract should be presented in English (only for foreign authors), Ukraine and Russian.

KEYWORDS: there, must, be, at least, 5 keywords

This is introduction section. This paper contains instructions for preparing the manuscripts. The text should be prepared in .doc format (using MS Word).

INSTRUCTIONS

The text should be typed as follows:

- title: Times New Roman, 12 pt, ALL CAPS, bold, 1 spacing, centred;
- authors: name, initials and family names; Times New Roman, 12 pt, bold, 1 spacing, centred;
- affiliation(s): Times New Roman, 9 pt, italic, 1 spacing, centred;
- abstract: Times New Roman, 9 pt, 1 spacing, justified;
- body text: Times New Roman, 10 pt, 1 spacing, justified; paragraphs in sections should be indented right (tabulated) for 0.75 cm;
- section titles: Times New Roman, 10 pt, bold, 1 spacing, centred, without numbering, one line should be left, blank above section title;
- subsection titles: Times New Roman, 10 pt, bold, 1 spacing, centred, without numbering in accordance to the section (see below), one line should be left blank above subsection title;
- figure captions: width of the figure should be 85 or 170 mm, figures should be numbered (Fig. 1) and titled below figures using sentence format, Times New Roman, 9 pt, 1 spacing, centred (if one line) or justified (if more than one line); one line should be left blank below figure captions;
- table captions: width of the table should be 85 or 170 mm, tables should be numbered (Table 1.) and titled above tables using sentence format, Times New Roman, 10 pt, 1 spacing, centred (if one line) or justified (if more than one line), tables should be formatted with a single-line box around the outside border and single ruling lines between rows and columns; one line should be left blank below tables;
- equations: place equations centred, numbered in Arabic (1), flush right, equations should be specially prepared in MathType; one line should be left blank below and above equation.

Additional instructions

Numerated figures and tables should be embedded in your text and placed after they are cited. Only black and white drawings and sharp photographs are acceptable. Letters in the figures should be 3 mm high. The figures should be presented in one of the following graphic formats: jpg, gif, pex, bmp, tif.

REFERENCES

Cite references in AIP style (<https://guides.lib.monash.edu/citing-referencing/aip>). Numbering in the order of referring in the text, e.g. [1], [2-5], etc. References should be listed in numerical order of citation in the text at the end of the paper (justified), Times New Roman, 9 pt, 1 spacing.

Journal Articles

- [1]. T. Mikolajick, C. Dehm, W. Hartner, I. Kasko, M. J. Kastner, N. Nagel, M. Moert, and C. Mazure, *Microelectron. Reliab.* **41**, 947 (2001).
- [2]. S. Bushkova, B.K. Ostafyichuk and O.V. Copeniev, *Physics and Chemistry of Solid State.* **15**(1), 182-185 (2014). (in Ukrainian)
- [3]. M. Yoshimura, E. Nakai, K. Tomioka, and T. Fukui, *Appl. Phys. Lett.* **103**, 243111 (2013), doi: [10.7567/APEX.6.052301](https://doi.org/10.7567/APEX.6.052301).

E-print resources with collaboration research

- [4]. Aaboud et al. (ATLAS Collaboration), *Eur. Phys. J. C*, **77**, 531 (2017).
- [5]. OR: M. Aaboud et al. (ATLAS Collaboration), *Eur. Phys. J. C*, **77**, 531 (2017), doi: [10.1140/epjc/s10052-017-5061-9](https://doi.org/10.1140/epjc/s10052-017-5061-9)
- [6]. Sjöstrand et al., *Comput. Phys. Commun.* **191**, 159-177 (2015), e-print [arXiv:1410.3012](https://arxiv.org/abs/1410.3012).
- [7]. Amin et al. e-print arXiv:1006.3075 (2010).
- [8]. Boudreau, C. Escobar, J. Mueller, K. Sapp, and J. Su, (2013), e-print [arXiv:1304.5639](https://arxiv.org/abs/1304.5639).

Books

- [9]. S. Inoue and K.R. Spring, *Video Microscopy: The fundamentals*, 2nd ed. (Plenum, New York, 1997), pp. 19-24.
- [10]. I. Gonsky, T.P. Maksymchuk and M.I. Kalinsky, *Біохімія Людини [Biochemistry of Man]*, (Ukrmedknyga, Ternopil, 2002), p. 16. (in Ukrainian)
- [11]. V.V. Mal'tsev, *Металлографія промислових кольорових металів і сплавів [Metallography of industrial nonferrous metals and alloys]*, (Moscow, Metallurgiya, 1970), p. 364. (in Russian)
- [12]. M. Garkusha, *Основи Фізики Нанівпровідників [Fundamentals of Semiconductor Physics]* (Vysshaja shkola, Moscow, 1982), in: <http://gagago.ru/g20-osnovi-fiziki-napivprovodnikov-pidruchnik-dlya-tehniki.html>.

Book Chapters

- [13]. M. Gonzalez-Leal, P. Krecmer, J. Prokop and S.R. Elliot, in: *Photo-Induced Metastability in Amorphous Semiconductors*, edited by A.V. Kolobov (Wiley-VCH, Weinheim, 2003), pp. 338-340.
- [14]. A. Kochelap and S.I. Pekar, in: *Теорія Спонтанної і Стимульованої Хемілюмінесценції Газів [Theory of Spontaneous and Stimulated Gas Chemiluminescence]* (Naukova dumka, Kyiv, 1986), pp. 16-29. (in Russian)

Conference or symposium proceedings

- [15]. C. Yaakov and R.Huque, in: *Second International Telecommunications Energy Symposium Proceedings*, edited by E. Yow (IEEE, New York, 1996), pp. 17-27.
- [16]. V. Nikolsky, A.K. Sandler and M.S. Stetsenko, in: *Автоматика-2004: Матеріали 11 Міжнародної Конференції по Автоматичному Управлінню [Automation-2004: Materials of the 11th International Conference on Automated Management]* (NUHT, Kyiv, 2004), pp. 46-48. (in Ukrainian)

Patent

- [17]. I.M. Vikulin, V.I. Irha and M.I. Panfilov, Patent Ukraine No. 26020 (27 August 2007). (in Ukrainian)

Special Notes

1. Use International System of Units (SI system).
2. It is undesirable to use acronyms in the titles. Please define the acronym on its first use in the paper.
3. Refer to isotopes as ¹⁴C, ³H, ⁶⁰Co, etc.