



# PEMS

National Technical University of Ukraine  
"Igor Sikorsky Kyiv Polytechnic Institute"



## "Problems of Energy Management System – PEMS"

(International Scientific-Technical, Methodological Conference)

### Requirements

**Working languages of the conference:** Ukrainian, Russian, English.

#### **Form of participation in the conference:**

- participation with the report;
- correspondence;
- listener

To submit theses, conference participants must comply with all the requirements set out below.

**In case of discrepancy of the submitted materials with requirements, and also if they do not correspond to the topics of the conference, the editorial staff will return materials back to authors for revision!**

#### **Volume of theses**

The total volume of theses - 1-2 pages of A4 format. The pages are completely filled with text. Charts, figures, tables, and formulas should be numbered and placed in the text after references on them. It's inappropriate to use formatting elements such as "break a section from a new page" and footers.

**The thesis should be carefully checked authors and comply with all points of requirements to design !!!!**

**Text Editor.** The thesis is typed in the text editor Microsoft Word (version 2007 and above) and stored with the extension \* .doc or \* .docx.

The abstract of the report is obligatory, stored in the format \* .pdf !!!

### General design:

**1) Language.** Abstracts are accepted for publication in three languages: Ukrainian, Russian, English.

#### **2) Page options:**

- Fields: left, right, top, bottom, 2.5 cm.
- Font of the main text - Times New Roman size 12, line spacing - 1.

#### **3) Structure of the thesis:**

- **UDC number** (in the upper left corner of the page, bold font size 10) in font (F)
- **information about the authors** ex: **І.І. Петренко** (ukr.), **И.И. Петренко** (rus.), **I. Petrenko** (eng) and information about the authors (degree, academic rank) kegl 12);

(The order of scientific degrees and academic degrees is described below in the section "Recommended reduction of scientific degrees and academic degrees").

- **full name of the organization** (educational institution, institution) and country - **alignment on the right-hand side**;
- **Title of the thesis:** must be concise and correspond to the topic of the section and printed in capital letters symmetrically to the text (Caps Lock) and bold letters (F) – 12 pt.

## The main text of the thesis.

- **Basic text font:** Times New Roman Cyr, size 12, line spacing 1.
- **Basic text alignment:** in width.
- **First lines of all paragraphs:** with a deduction of 1.0 cm !!!
- **Drawings:** (charts, photos, etc.) are presented as **black and white** image, along with text, after references on them. **Requirement for graphic materials: any illustration should be the only indissoluble graphic object.** It is recommended to use raster formats with a resolution of at least **300 dpi**. The drawing should be centered without wrapping around the text. The captions for the drawings must contain the numbering in the order in the text and the explanatory signature in **10 pt** (for example, Figure 1 - ...). It is not allowed to include captions to the drawing itself. **Drawing should not occupy the entire area of the sheet !!!**
- **Charts:** must **contain signatures of all axes in drawing itself** with a font size of 10 pt. Any other sign of signature will not be considered and corrected!
- **Tables:** When filling, use the 10 pt. Each table should have a serial number and a title located after reference on it in the text of the thesis. If the table does not fit on the page or goes to another one, use the "Continuation tab" label.
- **Formulas:** built-in formula editor using the following styles: Text, Function, Variable, Number - Times New Roman; L.C.Greek, U.C.Greek, Symbol - Symbol; Matrix / Vector - Times New Roman, bold; Dimensions: Full - 9 pt, Symbol - 12 pt, Sub-Symbol - 9 pt, Subscript / Superscript - 7 pt; Cyrillic and Greek characters must be typed in the direct font, Latin letters - italics. Exception is the symbols of operators and standard functions, which are typed in direct font. The numbering of the formulas to which the reference in the text refers is case in brackets. Whole parts from the decimal are separated by a comma. **Units of dimension can be typed separately from or in formulas, with the obligatory use of gap.**
- **Conclusion: 12 pt** (to give the main conclusions of research and prospects for its further development in this direction).
- **List of used literature: 9 pt.** (References - English version) is in order of references in the text, according to National Standard DSTU 8302: 2015. (Ukr) References to literary sources in the text are given in square brackets. The list of used literary sources is **presented twice:** in the original language in accordance with National Standard DSTU 8302: 2015 (in Ukrainian, Russian) and in English, according to the requirements of the IEEE style, **indented from the left edge of 0.5 cm**

### Recommended reduction of scientific degrees and academic degrees

(рекомендовані скорочення вчених звань і ступенів, featured reducing academic titles and degrees)

| № | Полное назва<br>Повна назва<br>Full name   | Сокращение<br>Сокращение<br>Abbreviation                                  |
|---|--|---|
| 1 | доктор технических наук<br>доктор технічних наук<br>Doctor of Engineering Science  | д-р. техн. наук<br>д-р. техн. наук<br>Dr. Eng. Sc.                        |
| 2 | кандидат технических наук<br>кандидат технічних наук<br>Candidate of Science (Engineering)                                 | канд. техн. наук<br>канд. техн. наук<br>Cand. Sc. (Eng.)                  |
| 3 | кандидат физико-математических наук<br>кандидат фізико-математичних наук<br>Candidate of Science (Physics and Mathematics) | канд. физ. мат. наук<br>канд. фіз. мат. наук<br>Cand. Sc. (Phys. & Math.) |
| 4 | доцент<br>доцент<br>Associate Professor  | доц.<br>доц.<br>Assoc. Prof.  |
| 5 | профессор<br>професор<br>Professor   | проф.<br>проф.<br>Prof.   |
| 6 | старший научный сотрудник<br>старший науковий співробітник<br>Senior Research Fellow                                       | ст. науч. сотр.<br>старш. наук. співроб.<br>SRF                           |

|    |   |   |
|----|---|---|
| 7  | младший научный сотрудник<br>молодший науковий співробітник<br>Junior Research Fellow | мл. науч. сотр.<br>мол. наук. співроб.<br>JRF |
| 8  | член-корреспондент<br>член-корреспондент<br>Corresponding Member                      | чл.кор.<br>чл.кор.<br>Cor. Mem.               |
| 9  | старший преподаватель<br>старший викладач<br>Assistant Professor                      | ст. преп.<br>ст. викл.<br>Assis. Prof.        |
| 10 | аспирант<br>аспірант<br>postgraduate student  | асп.<br>асп.<br>Ph.D. student                 |
| 11 | ассистент<br>асистент<br>Teaching Fellow  | асс.<br>асист.<br>TF                          |
| 12 | магистр<br>магістр<br>Master  | магистр<br>магістр<br>Msc.                    |

Registration takes place on the conference website <https://pems.kpi.ua>.

In addition to the e-mail of the conference pems@kpi.ua, the thesis will be augmented:

1) \* .doc or \* .docx. and surely the thesis is saved in the format \* .pdf !!!

2) **Address of the organizing committee of the conference:**

National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"

Institute of Energy Saving and Energy Management.

03056, Ukraine, Kiev, Borschagivska st., 115/3, building 22, room 315,

tel./fax +380 44 204-85-14; e-mail: pems@kpi.ua. site: <https://pems.kpi.ua>

### Example:

**УДК 621.31**

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Національний технічний університет України  
«Київський політехнічний інститут імені Ігоря Сікорського», Україна

## **ПРИКЛАД ОФОРМЛЕННЯ ДОПОВІДІ НА V МІЖНАРОДНІУ КОНФЕРЕНЦІЮ «ЕНЕРГЕТИЧНИЙ МЕНЕДЖМЕНТ: СТАН ТА ПЕРСПЕКТИВИ РОЗВИТКУ**

Текст доповіді

(міжрядковий інтервал-1, шрифт – Times New Roman 12 кегль, вирівнювання по ширині, без переносів, перший рядок – відступ 1,0 см; поля: зліва, справа, зверху, знизу – 2,5 см.)

### **Список використаних літератури**

1. Самойленко А.М., Кривошея С.А., Перестюк Н.А. Дифференциальные уравнения: примеры и задачи. – Москва: Высшая школа, 1989. – 383 с.
  2. Федий В.С., Соболев В.Н. Электромагнитные процессы в последовательном RLC-контуре с коммутатором в цепи емкости (индуктивности) // Электричество. – 1996. – №9. – С. 67–71.
  3. Федий В.С., Чередниченко С.Л. Регулировочные характеристики однофазного вентильно-конденсаторного источника реактивной мощности с частотным регулированием // Техническая электродинамика. – 1993. – №6. – С. 33–39.
  4. Шидловский А.К., Федий В.С. Частотно-регулируемые источники реактивной мощности. – Київ: Наукова думка, 1980. – 304 с.
- References
1. Samoilenko A.M., Krivosheia S.A., Perestiuk N.A. Differential equations: examples and tasks. – Moskva: Vysshiaia shkola, 1989. – 383 p.
  2. Fedii V.S., Sobolev V.N. Electromagnetic processes in successive RLC-circuit with the capacity circuit commutator // Elektrichestvo. – 1996. – №9. – P. 67–71
  3. Fedii V.S., Cherednichenko S.L. Regulating characteristics of the reactive power single-phase valve- capacity source with control frequency // Tekhnicheskaia elektrodinamika. – 1993. – №6. – P. 33–39 (Rus.).
  4. Shidlovskii A.K., Fedii V.S. Frequency regulating reactive power sources. – Kyiv: Naukova dumka. – 1980. – 304 p