

भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद
Indian Institute of Technology (Indian School of Mines), Dhanbad

05.05.2020

From: Prof Rajiv Shekhar, Director

Sub: BRICS International Youth Forum-Contest “Topical Issues of Rational Use of Natural Resources” at St. Petersburg Mining University in September 2020 (Final dates depend on Covid-19 situation)

Dear Sir/Madam:

1. The Saint Petersburg Mining University together with the International Competence Centre for Mining-Engineering Education are going to organize **BRICS International Youth Forum-Contest at Russia in September 2020.**
2. This is an internationally competitive program among candidates from BRICS nations (Brazil, Russia, India, China, South Africa) where **from each country 100 participants** approximately will participate.
3. **The grant covers all expenses on the territory of Saint-Petersburg including accommodation, food, participation in the events within the Forum's programme and flight from India to Saint-Petersburg and back.**
4. **The topics selected in the forum are as follows:**
(a) Oil, gas, and hydrocarbons, (b) Mining, geology, geophysics, and geodynamics, (c) Minerals processing, (d) Economics (related to mining and minerals), (e) Ecology, sustainable nature management and environment protection (related to mining and minerals).
5. **Applicants:** Individuals resident of BRICS countries -Masters, Ph.D. students and research scholars (without PhD) under 35 years of age are eligible to participate in the Grant Competition.
6. **Application procedure** (for National level Screening): An obligatory condition is the submission of an **abstract** of a scientific article based **on one of the topics listed in (4)** of at least 2 pages, maximum 4 pages (**Template attached, Annexure I**), and a recommendation of the sending university. **The Turnitin similarity level must be within 15%. Abstracts not conforming to the template will be rejected**
7. **Each applicant must send the required documents** (Abstract and recommendation letter from HOD) along with a cover letter clearly mentioning: (i) Name, (ii) Date of Birth, (iii) Department, (iv) Roll/Admission Number, (iv) Topic from paragraph 4 under which paper has been submitted. Applications of national stage winners will be sent to the UNESCO.

8. **International stage screening:** Applications of the national stage winners will be transmitted to the UNESCO Centre for consideration and award of grants. Applications shall be examined by the Expert Council of the UNESCO Centre. Once the abstract is accepted a full-length paper will have to be submitted.
9. Incomplete applications with respect to (6) and (7) will be rejected.
10. **Last date of application is 20th May 2020. Online application submission email: adean_ir@iitism.ac.in.**
11. **For any queries, please contact Prof. Biswajit Chowdhury at: adean_ir@iitism.ac.in.**



(Prof. Rajiv Shekhar)
Director
IIT (ISM) Dhanbad

Attachment

Annexure I (Abstract Template)

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Annexure I

Concise and Descriptive Title of the Scientific Article Abstract

Ist Author Name^a, 2nd Author Name^b, 3rd Author Name^c
^{a,b,c}Department Name, Affiliation, City, Country
(Email-Id of 1st Author^a, 2nd Author^b, 3rd Author^c)

Keywords: The author shall provide up to 5 keywords (in alphabetical order) to help identify the major topics of the article. *[Style: Times New Roman, Font Size 12, line-spacing 1]*

1 Introduction

This section should contain a brief general perspective of the idea proposed.

[Style: Times New Roman, Font Size 12, line-spacing 1.5]

1.1 Background

You need to introduce the main scientific publications on which your work is based, citing a couple of latest original and important works, including recent review articles (i.e it should contain brief literature survey)

This sub-section should highlight a) What is the problem to be solved?, b) Are there any existing solutions? c) Which is the best? d) What is its main limitation? e) What do you hope to achieve?

[Style: Times New Roman, Font Size 12, line-spacing 1.5]

1.2 Objectives

This sub-section indicate the objectives of the work proposed.

[Style: Times New Roman, Font Size 12, line-spacing 1.5]

1.3 Scientific novelty and practical value of work

Here, the novelty of your work should be stated. That is, how your work or proposed work adds new knowledge in your chosen field of work. You should also state the practical value of your work. That is, how the implementation of your solution will benefit the concerned industry.

[Style: Times New Roman, Font Size 12, line-spacing 1.5]

2 Methodology

This section provides the reader with all the details of how you will execute your ideas or proposed objectives through experiments/theoretical analysis/numerical simulation. You should use **subheadings** to separate different methodologies.

[Style: Times New Roman, Font Size 12, line-spacing 1.5]

3 Results and Discussion

In the Results section, simply state what you found, but **do not** interpret the results or discuss their implications.

[Style: Times New Roman, Font Size 12, line-spacing 1.5]

4 Conclusions

Conclusions sections should be an interpretation of your results. Discuss your conclusions in order of **most to least important**.

[Style: Times New Roman, Font Size 12, line-spacing 1.5]

References

[Style: Times New Roman, Font Size 12, line-spacing 1]

- [1] Francisco, D.G., Hau, M., Sumper, A., Bellmunt, O.G., “Participation of wind power plants in system frequency control: Review of grid code requirements and control methods”, Renewable Sustainable Energy Reviews, vol. 34, pp. 551-564, 2014.
- [2] Abouzeid, S.I., Guo, Y., Zhang, H.C., Ma, X., “Improvements in primary frequency regulation of the grid-connected variable speed wind turbine”, IET Renewable Power Generation, vol. 13, pp. 491-499, 2018.
- [3] Maxwell, J.C., “A Treatise on Electricity and Magnetism”, 3rd ed., vol. 2. Oxford, Clarendon, 1992.
- [4] Da, Y., Khaligh, A., “Hybrid offshore wind and tidal turbine energy harvesting system with independently controlled rectifiers”, In Proc. International Confereneec on Industrial Electronics, Porto, Portugal, pp. 4577-4582, November 2009.
- [5] National Center for Biotechnology Information, <http://www.ncbi.nlm.nih.gov>.

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Other Guidelines for Template

1) Citation of References

The template will number citations consecutively within square brackets [1]. The sentence punctuation follows the bracket [2]. Refer simply to the reference number, as in [3]—do not use “Ref. [3]” or “reference [3]” except at the beginning of a sentence: “Reference [3] was the first ...”. Numbers should be grouped where appropriate i.e. [1-5].

2) Figures

After citation of the figures, place the figure below. Figure caption style (*it should in Times New Roman, Font Size 12, line-spacing 1, placed below the figure*) should be per given sample figure. We suggest that you use a graphic which is ideally a 300 dpi TIFF or EPS file.

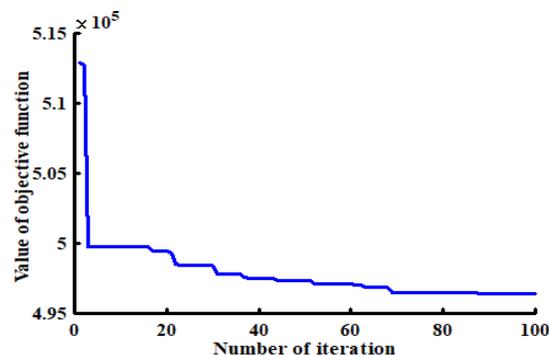


Fig. 1 Convergence curve of objective function

In the text, figure should be cited as “as shown in Fig. 1”

3) Tables

After citation of the Tables, place the Table below. Table caption style (*it should in Times New Roman, Font Size 12, line-spacing 1, placed above the Table*) should be per given sample Table.

Table 1: Distribution grid parameters

Parameter	Value
3-phase source base voltage, kV	11
3-phase source short circuit kVA, kVA	500
Rated frequency, Hz	60
3-phase source X/R ratio	6
Distribution transformer power rating, kVA	200
Distribution transformer primary voltage, kV	11
Distribution transformer secondary voltage, kV	440

In the text, Table should be cited as “as given in Table 1”

4) Equation

Number equations consecutively. Equation numbers, within parentheses, are to position flush right, as in (1), using a right tab stop.

$$a + b = c \quad (1)$$

[Style: *Times New Roman, Font Size 12, Italic*]

Note that the equation is centered using a center tab stop. Be sure that the symbols in your equation have been defined before or immediately following the equation. Use “(1)”, not “Eq. (1)” or “equation (1)”, except at the beginning of a sentence: “Equation (1) is . . .”

5) Plagiarism

Author(s) of the article has to submit a plagiarism report (may be checked through **Turnitin**). It should be strictly less than or equal to 15%.

END