VISHLESHAN-2019

Doctoral Colloquium & Research Scholars' Day

February 15-16, 2019

INSTITUTE OF INDUSTRIAL & SYSTEMS ENGINEERING

Jointly Organized by
Department of
Industrial & Systems Engineering
and
IISE Student Chapter
IIT Kharagpur (#660)

http://www.iem.iitkgp.ac.in/vishleshan/Vishleshan2019.pdf

Conveners

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About IIT Kharagpur

Established in 1951, Indian Institute of Technology Kharagpur is a synonym for quality education in India. With 32 departments and research centres, it is the oldest, the largest and the most diversified institute in the IIT system. The institute has been regularly rated as the best engineering institute in India by many agencies. The institute envisions replicating its successes in engineering education into other related areas of knowledge like management, law, medical science and technology, entrepreneurship, and infrastructure designs, etc.

Industrial and Systems Engineering @ IIT Kharagpur

The Department of Industrial and Systems Engineering (ISE), formerly known as Department of Industrial Engineering and Management, was established in 1973 as a centre, called Industrial Management Centre. Its decades of existence has been instrumental in imparting education, training and research extending frontiers of knowledge in the field of Industrial Engineering and Management through its well-established undergraduate, post graduate and research programmes, sponsored projects and industrial consultancy work, short term courses and other continuing education programmes. Today, the Department is well-known nationally as well as internationally for its excellent research and consultancy potential and capability in the field of Industrial Engineering and related areas.

About IISE Student Chapter, IIT Kharagpur

Established in 2016, Institute of Industrial and Systems Engineers IIT Kharagpur Student Chapter (Chapter #660) is a platform to promote the profession of Industrial Engineering through organized effort in study, research, and discussion of the fields of Industrial Engineering and the dissemination of knowledge thereby gained. Institute of Industrial and Systems Engineers IIT Kharagpur Student Chapter provides members the opportunity to interact with recognized academic and industry personnel related to the field of Industrial and Systems Engineering to have an insight to the ongoing trends of Industrial Engineering. In addition, it involves present members of IISE by organizing academic workshop, industrial field visit and various activities for betterment of their technical and organizational skill set.

Objectives

The colloquium aims at providing a forum for researchers and young scientists, from academia and industry on various themes in Industrial and Systems Engineering. It will provide the participants an opportunity to discuss their dissertation research with other reputed academicians and doctoral students to develop an insight on the ongoing trends in Industrial Engineering.

Colloquium Themes

1. Occupational Safety and Health
- a. Occupational &Industrial Safety
- b. Healthcare Systems
- c. Ergonomic Design
- d. Application of Virtual Reality in OSH

2. Data Analytics
- a. Business Analytics
- b. Industrial Analytics
- c. System Dynamics
- d. OR & Simulation
- e. Machine Learning

3. SCM and E-business
- a. Logistics and Supply Chain Management
- b. Scheduling and Manufacturing
- c. Inventory Management and ERP
- d. E-business and ICT
- e. Humanitarian Logistics and Disaster Relief

4. Engineering Product Design and Quality
- a. Quality Control
- b. Usability Engineering
- c. Virtual Reality in Product Design
- d. Service Operations

Pre Research Scholars' Day Workshop on 15th February 2019

This workshop includes experts' lectures along with hands on tutorials on recent tools and techniques used in the domain of Industrial and Systems Engineering. The topics to be covered in the workshop are mentioned below:

- Arena Simulation
- Anylogic Simulation
- Virtual Reality
- Sentiment Analytics
- CPLEX

Participants

The research scholars from various institutes with areas of interest in any of the above themes. The number of participants is restricted to 30 for the programme.

Registration Fee

No registration fee.

Accomodation

Participants will pay for accommodation. It will be provided at the Institute Guest House or Hostel within the IIT Campus

Certificates and Best Paper/Presentation Award

A certificate of participation will be issued to all the participants.
Three Best presenters will get following :
First Prize : Rs. 2000/-
Second Prize: Rs. 1500/-
Third Prize : Rs. 1000/-
Additionally, TA (Sleeper Class) and Accommodation will be reimbursed

An edited book on "Recent Trends in Industrial and Systems Engineering" will be published based on accepted full length papers. Author of accepted full length papers will also get TA (Sleeper Class).

Submission Guidelines and Review Criteria

Participants should submit research statement based on the themes of the colloquium in no more than 1000 words and not less than 750 words. All statements will be blind reviewed and only those approved by the reviewers will be selected. The research statement submitted must give a clear indication of the objective, methodology, major results, implications, and key references. Willing participants may submit their full length paper for the edited book within the stipulated time, once the research statement is accepted.
The criteria for evaluation by the reviewers are as follows:

Relevance: Does the subject of the research appeal to the interest of the colloquium attendees?

Methodology: Does the research work use appropriate method(s)?

Originality: Does the research work add new findings, insights, or knowledge to the body of literature?

Conclusions: Are the conclusions sound and justified as per the problem discussion?

Note: Please follow the format as per Annexure-I & II for the research statement and full length paper need to be submitted in MS Word.

Details of Sponsorship

Sponsors will get the following benefits:

1. Space will be provided near colloquium venue to the sponsors to display their products and services and to maximize interactions and networking opportunities amongst participants, exhibitors and sponsors.
2. Sponsor will be provided a 30-min session to showcase their products/services/systems as an important event of the colloquium.
3. Company Logo will be included in colloquium website, backdrop and colloquium proceedings.

Mode of payment:

Money can directly be transferred to following bank account:

1. Name of the Account: IISE Student Chapter IIT Kharagpur
2. Bank Name: Syndicate Bank, SRIC, IIT Kharagpur 721302
3. Account No.: 95562010009280
4. IFSC Code: SYNB0009556
5. MICR No.: 721025103

Important Dates

Deadline for Research Statement Submission : January 31, 2019
Notification of Acceptance : February 03, 2019
Submission of Full Paper : February 05, 2019
Submission of Presentation : February 10, 2019
Date of Vishleshan : February 15-16, 2019

NOTE: Candidates are requested to submit their research statements, full length paper and presentation to presidentiitkgp.iise@gmail.com

Address for Correspondence

For clarifications and assistance, please correspond with:

Mr. Bibekananda Mishra
President, IISE Student Chapter IIT Kharagpur
E-mail: mishra.bibekananda23@iitkgp.ac.in
Department of Industrial and Systems Engineering
Indian Institute of Technology Kharagpur
Kharagpur 721302

For Sponsorship:
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Indian Institute of Technology Kharagpur
Kharagpur 721302

REGISTRATION FORM

VISHLESHAN-2019
Doctoral Colloquium & Research Scholars' Day

Industrial & Systems Engineering
Indian Institute of Technology Kharagpur
February 15-16, 2019

PLEASE USE CAPITAL LETTERS

1. Name : _____

2. Gender : _____

3. Affiliation : _____

4. Educational Qualification : _____

5. Address for Correspondence :_____

_____

6. Telephone :_____

7. Mobile : _____

8. E-mail : _____

Signature of Applicant

Font: Times New Roman

Font size: 14

Alignment: Centre

Line spacing: Single

Font: Times New Roman

Font size: 11

Alignment: Centre

Line spacing: Single

**Template
of
Research Statement
for
Vishleshan-2019
Doctoral Colloquium and Research Scholars'
Day**

Author A[1](First Name Last Name), Author B[2] and Author C[3]*

[1] Academic or Business Affiliation, City, Country
[2] Academic or Business Affiliation, Address, City, Country
[3] Academic or Business Affiliation, Address, City, Country

*Corresponding Author: E-mail, Telephone Number, Fax. Number

One line spacing

Font: Times New Roman

Font size: 9

Alignment: Centre

Line spacing: Single

The instructions below are described to guide researchers who wish to submit a research statement of about 1000 words to the programme. The submitted document must be clear, concise, and well agree with the colloquium template and theme to obtain the consistent form with other papers; therefore it can be collected in the colloquium proceedings uniformly. Submit the manuscript using MS Word only and follow this document closely as a template.

Keywords: 3-5 keywords should be provided here to assist with indexing of the article

Font: Times New Roman
Font size: 10
Alignment: Justify
Line spacing: Single

Page setup

Paper size: A4

Orientation: Portrait

Margins

Top: 2.54 cm

Bottom: 2.54 cm

Left: 2.54 cm

Right: 2.54 cm

Gutter: 0 cm

Gutter position: Left

Full Length Paper: Submission Guidelines and Formatting

Submission Rules for Full Length Paper:

- Submitted papers must NOT have been previously presented, scheduled for presentation, published, or sent for publication elsewhere. Contributions should be prepared specifically for this conference.
- NO changes in the paper title, abstract, authorship, and actual paper can occur AFTER the submission deadline.
- Please note that deadline for FULL LENGTH SUBMISSION is February 15-16, 2019

Formatting of the Full Length Paper:

Please follow these guidelines to ensure your paper is reviewed.

Note: Papers that are not prepared according to these formatting instructions will NOT be reviewed.

- The entire paper (title page, abstract, body, figures, tables, references, etc.) must be in ONE document using Microsoft Word (.DOC) formats:

The maximum length of the paper is 10 pages (including title page, ALL tables, appendices, and references).***Papers exceeding this limit will be returned to their corresponding author.***

Pages should be numbered in the page footer (center), including the first page. Papers should be organized in the following sequence:

- Title of the paper, name(s) of the author(s), affiliation(s)
- Abstract
- Keywords
- Main subject text
- Acknowledgments (when applicable)
- References

- The format for tables and figures, references, and appendices should follow *the **IISE TransactionsJournal's Style Guide*** *(formerly known as IIE transaction)***.**
- Use Times New Roman 12-point font, double spaced, 1-inch (2.5 cm) margin all around, and 8.5" × 11" page setting. References may be single spaced.
- Check that the paper prints correctly (i.e., all imported figures and tables appear) and ensure that the file is virus-free.