

Government of West Bengal
Department of Science & Technology and Biotechnology (DSTBT)
Vigyan Chetana Bhavan, Block-DD, Plot-26/B, Sector-I Salt Lake,
Kolkata-700064

Application Format for Seminar, Symposium, Conference Programmes

(Please upload the filled in "Application Format" along with necessary documents at Vigyansathi portal)

1. **Programme Type (ref SN 10 of the Guidelines):** International Conference
2. **Title of the proposed Programme:** 2024 3rd International Conference on Control, Instrumentation, Energy & Communication (CIEC)
3. **Target Group (Faculty, Teacher, Research Scholar, College/ University Student, Community):** Faculty, Teacher, Research Scholar, College/ University Student.
4. **Duration (days):** 03 days; **Tentative Dates of the proposed Programme:** 25th January -27th January , 2024.
5. **Alms, Objectives and Details of the Programme:**

International Conference on Control, Instrumentation, Energy & Communication (CIEC) is the flagship conference of the Department of Applied Physics, University of Calcutta. CIEC24 will create a platform to discuss and disseminate knowledge in the core and interdisciplinary areas of Electrical Engineering and Instrumentation Engineering. CIEC24 will consist of Plenary and Invited lectures by renowned academicians, industry sessions on cutting edge technologies and panel discussions on emerging issues.

The CD proceedings of the CIEC24 will be published with ISBN: 979-8-3503-1369-7; and the presented papers will be available (subject to post conference quality check by IEEE) in IEEEExplore Digital Library with ISBN: 979-8-3503-1370-3 .

CIEC24 is organized under the following major tracks:

Track 1: Control and Automation

Track 2: Instrumentation and Measurement

Track 3: Power and Energy Systems

Track 4: Communication and Networking

Track 5: Computational Intelligence Applications.

The conference flyer is enclosed with details of technical areas.

6. **Name, Designation, Postal Address, mobile no. and e-mail id of the (only one) Programme Coordinator (PC) (attach separate sheet, if necessary):**

Dr. Jitendra Nath Bera, Professor, Department of Applied Physics,
University of Calcutta, 92 APC Road, Rajabazar Science College, Kolkata-700009
Email: rgaphy@caluniv.ac.in
M: 6290602237

7. **Legal status of the Institute (College/ University/ Institute/ Polytechnic/ ITI/ Autonomous body/ registered NGO/ Trust etc.):**

State Government aided University, Autonomous Institution.

8. **Date wise detail Programme Schedule (attach separate sheet, if necessary):**

Technical program details is attached as a separate sheet

9. Collaborating Institutions/ Organizations, if any, with their specific contribution.

Joint Organizer: IEEE CSS-IMS Kolkata Chapter, India: will be primarily responsible for technical program and publication of conference proceedings in IEEE Xplore Digital Library.

Technical Co-sponsors:

- a. IEEE Power Engineering Society chapter, Kolkata
- b. IEEE Signal Processing Society chapter, Kolkata
- c. IEEE Circuits and Systems Society chapter, Kolkata
- d. IEEE Industry Applications Society chapter, Kolkata
- e. IET UK Kolkata Local Network.

All the technical sponsors will support in wide publicity across a wider academic community, and providing experts for review of the research papers submitted to the conference.

10. Expected number of participants and list of Resource Persons/ Invited Speakers:

Expected participants: 200+

Invited Speakers: 02 (international); 02 (national: outside the state).

11. Give details of the grant received from DSTBT in last three Financial Years, if any alongwith the date of submission of UC, Audited SoE, Report etc.:

Not received any grant from DSTBT in last three Financial Years.

12. Name and address of the authority to whom the allotted amount is to be credited (if sanctioned) who will also be responsible for submitting the UC, audited SoE, Programme Completion Report, Feedback, Still and Video photographs etc. of the grant:

Registrar, University of Calcutta
87/1, College Street, Kolkata-700073

The Head, Organising department (Applied Physics, University of Calcutta) will be responsible for submitting the Programme Completion Report, Feedback, Still and Video photographs etc. of the grant.

13. Total Programme Expenditure (A)/ Organisation's contribution (B)/ Grant expected from DSTBT(C):

C: ₹ 1,50,000 = (A: ₹ 14,00,000 – B: ₹ 12,50,000)

(provide detail Budget break-up as per Annexure-I and Bank details as per Annexure-II):



UNIVERSITY OF CALCUTTA
Senate House, 87/1, College Street, Kolkata – 700 073

DECLARATION

Certified that the details furnished in the filled in format are correct to the best of our knowledge & belief and that the amount of financial assistance, if sanctioned, will be utilized for the purpose for which it is granted within the time as prescribed by DSTBT. We also undertake to abide by the General Guidelines and Terms & Condition prescribed by DSTBT and provide due coverage to DSTBT during the Programme and publications/ print and electronic media made from the Programme in future. We also declare that within one month after completion of the Programme we shall submit the Utilisation Certificate (UC), Audited Statement of Expenditure (Audited-SoE), Programme Completion Report, Feedbacks from the Participants, still and video photographs etc.

Signature:

Bera

Date:

09/10/2023

Name of Programme Convener: Dr. Jitendra Nath Bera.

Designation: Professor, Department of Applied Physics

Address: 92 APC Road, Rashbihar Siksha Prangan, Kolkata- 700009

Signature:

09/10/2023

Date: 09.10.2023

REGISTRAR

Name of Head of the Institution: Professor Debasis Das

Designation: Registrar, University of Calcutta

Address: 87/1, College Street, Kolkata-700073



DEPARTMENT OF APPLIED PHYSICS
UNIVERSITY COLLEGE OF TECHNOLOGY
UNIVERSITY OF CALCUTTA

92, Acharya Prafulla Chandra Road, Kolkata - 700 009, West Bengal, India

ফলিত পদার্থবিদ্যা বিভাগ, কলিকাতা বিশ্ববিদ্যালয়

Ref No.: Aphy/HOD/...365...
date : 18.../...01.../...2023

OFFICE OF THE VICE CHANCELLOR

20 FEB 2023

Letter No.: 282/23
UNIVERSITY OF CALCUTTA

Dated: 18.01.2023

To
The Hon'ble Vice Chancellor
University of Calcutta

Sub: Request your kind approval to organize an International conference CIEC24.

Sir,

You will be pleased to know that the Department of Applied Physics, University of Calcutta (established in 1925), will be reaching its 100th years of establishment in 2024. In order to commemorate such an auspicious occasion, the Department has planned to celebrate through various events round the year 2024 along with its highly enriched Alumni. The celebration will be started with the organization of an International Conference on **"Control, Instrumentation, Energy and Communication (CIEC24)"** during **January 25-27, 2024**. This **CIEC24** will be organized in technical collaboration with **IEEE PES and IEEE CSS-IMS, and IET(UK) Kolkata LN** and many more.

I, therefore, earnestly request you to kindly accord your approval to organize the international conference.

Yours faithfully,

Kaushik Das Sharma
(Prof. Kaushik Das Sharma)

HOD & Chairman of CIEC24 Organizing Committee
Department of Applied Physics
University Colleges of Sc. & Technology
University of Calcutta
92, A.P.C. Road, Kolkata-700 009

Encl:

1. DC Resolution dated 9.1.2023

Approved
Done
23/1/23

Check List (put tick) of attachments to be submitted with the application

- Proposed Total Budget with break-up (Annexure-I) and Bank Details (Annexure-II) in Institute/ Organization's letter head: **YES**
- For registered NGO/ Trust, filled in Application Format recommended by the appropriate Recommending Authority, viz., Jt.BDO/ BDO/ SDO/ DM/ Executive Officer- Municipality/ Commissioner-Municipal Corporation as the case may be (where the programme is actually going to be held): **Not Applicable**
- For registered NGO/ Trust, attested copies of the registration certificate, latest renewal certificate, Memorandum and Rules & Regulations of the Organization, last three years Audited Statement of Accounts, Annual Reports etc., List of recommended beneficiaries: **Not Applicable**

Proposed Total Budget with break-ups

Sl. No.	Items required with justification and rate	Total Expenditure (A) ₹	Institution/ Organization Contribution (*) (B) ₹	Grant expected from DSTBT (C=A-B) ₹
1.	Honorarium to Resource Persons/ Experts	1,50,000	1,50,000	
2.	Study materials, Consumables expenses	25,000	25,000	
3.	Hall rent, if any	4,60,000	3,80,000	80,000
4.	Publicity materials	30,000	10,000	20,000
5.	Travel expenses	2,50,000	2,00,000	50,000
6.	T.A. to the external Resource Persons/ Experts	30,000	30,000	
7.	Documentation expenses including audio-visual	Nil	Nil	
8.	Light refreshments	4,40,000	4,40,000	
9.	Auditors' fee	5,000	5,000	
10.	Other expenses, if any (please specify)	10,000	10,000	
Grand Total Expenditure (₹):		14,00,000	12,50,000	1,50,000

(*) Atleast 10% of the total budget contribution from the Institute/ Organisation is desirable

Annexure-II

Bank details of the Applicant Organisation

Name of the Organization	University of Calcutta
Bank Account number & name of the Account holder/ Organization	98210100002683 Jitendra Nath Bera, Amitava Biswas, Dipak Kumar Mandal
Type of Account (Savings or Current A/c)	Savings A/C
Name of the Bank	Bank of Baroda
Name of the Branch with Branch address	Suryasen Street EC, 92, A.P. C. Road, Calcutta University Campus, Kolkata - 700009
IFSC of the Branch	BAR80EXTCOL
Mobile Number of the Programme Coordinator/ Head of the Organisation	6290602237
PAN / TAN of the Account holder/ Organisation	CALC00389E

Signature of Authorised Personnel with seal
Professor
Department of Applied Physics
University of Calcutta



Jointly Organized by:

Department of Applied Physics, University of Calcutta
IEEE Joint CSS-IMS Kolkata Chapter, India

Under the auspices of the centenary celebration of the Department of Applied Physics, University of Calcutta

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ORGANIZING COMMITTEE

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Technical Program Chair
 Rajarshi Gupta, *University of Calcutta, India*
Technical Program Co-Chair
 Subhajit Kar, *IEM, Kolkata, India*

CALL FOR PAPERS

Original research work, neither published, nor under consideration are invited in 4-6 pages complying IEEE conference template in the following areas, but not limited to:

Track 1: Control and Automation

Linear and nonlinear control theory; Adaptive control; Robust control; Network control; Intelligent control; Application of Control in Robotics.

Track 2: Instrumentation and Measurement

SMART sensors, real time measurement systems; Image Processing and Vision Based Measurement; Instrumentation and Measurement in Medical, Biomedical and Healthcare Systems; Instrumentation and Measurement for various industry applications; Instrumentation and Measurement for industry 4.0

Track 3: Power and Energy Systems

Energy conversion and energy management; Power electronics and drives; Energy system-Smart grids, FACTS, Advanced metering, Power quality; Power system stability, protection and deregulation; Renewable Energy Systems; Demand Side Management; Condition Monitoring of Electrical Equipment.

Track 4: Communication and Networking

Communication in smart grid; IoT based Monitoring applications; SCADA systems, Wide area networking; Wireless sensor network applications for monitoring and control; Communications for smart transportation.

Track 5: Computational Intelligence Applications

Internet-of-things and cyber-physical systems; Intelligent transportation systems & smart vehicles; Big data analytics, understanding complex networks; Neural networks, fuzzy systems, neuro-fuzzy systems; Deep learning and engineering applications; Global optimization, Meta-heuristics and their applications.

REGISTRATION

Category	Registration Fees
Authors	Indian: INR 8000
	Other country: USD 350
Authors (Member IEEE, IET)	Indian: INR 7000
	Other country: USD 320
Authors (Members IEEE CSS/IMS)	Indian: INR 6500
	Other country: USD 300
Non-Authors	Indian: INR 5000
	Other country: USD 200

IMPORTANT DATES

Submission Deadline15th August 2023**Notification Acceptance**20th October 2023**Camera Ready Submission**30th November 2023**Author Registration Deadline**30th November 2023

Technical Co-sponsors:



In Association with



2024 3rd International Conference on Control, Instrumentation, Energy & Communication (CIEC), India, Jan 25-27, 2024

Technical Program Schedule

All timings are in Indian Standard Time (IST)

Day 1: January 25, 2024								
9:00 am	10:00 -11:30 am	11:30am-1:30 pm	1:30 - 2:15 pm	2:15 -4:15 pm		4:15 - 4:45 pm	4:45-6:45 pm	
Registration + Inaugural session	Keynote lecture (KL-1) Prof. Saad Mekhilef	Technical Session -1 Parallel sessions (8X2)	Lunch break	Technical Session -2 Parallel sessions (8X2)		Tea Break	Technical Session -3 Parallel sessions (8x2)	
		Track-111		Track-121			Track-131	
		Track-112		Track-122			Track-132	
Day 2: January 26, 2024								
Registration	Plenary lecture (PL-1) Prof. Mihaela Albu	Technical Session -1 Parallel sessions (8x2)	Lunch break	Sponsors’ session (TS-2)	Plenary lecture (PL-2) Prof. Bobby George	Tea break	Poster session (TS-3)	Conference dinner
		Track-211						
		Track-212						
Day 3: January 27, 2024								
Registration	Plenary lecture (PL-3) Prof. Bijaya Ketan Panigrahi	Technical Session -1 Parallel sessions (8x2)	Lunch break	Technical Session -2 Parallel sessions (8x2)		Valedictory session	City tour (On payment basis)	
		Track-311		Track-321				
		Track-312		Track-322				