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'The Institution of Engineers (India)' or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of over 0.8 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering. In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 123 Centres located across the country. IEI provides grant-in-aid to its members to conduct research and development on engineering subjects. IEI, in collaboration with Springer, regularly publishes peer-reviewed international journals in five series, covering fifteen engineering disciplines.

BISHNUPUR - A PLACE OF HISTORICAL INTEREST

The historical town, Bishnupur, a subdivisional headquarter in the district of Bankura is acclaimed for its rich crafts and culture. The place is known for its mesmerizing fragrance of tradition and cultural heritage. It has eminence and popularity as a tourist spot.



PAPER PUBLICATION :

All papers presented in the conference will be published in the official conference proceedings and selected papers will be published in UGC listed and Indexed journals subject to the fulfilment of all conditions and formalities. The participants are requested to forward the abstract and full papers via soft copy within the scheduled dates at the following email id: eventsece.mallabhum@gmail.com

DEVICE MODELING AND SOFT COMPUTING FOR REAL-TIME APPLICATIONS (DMSC-2019)

PAPER SUBMISSION DETAILS :

Paper length limited to six pages only;
Paper must be prepared in MS WORD;
Times New Roman Font, A4 size, single column;
All margins 1" justified, Title - 16 point Bold;
Authors name, affiliation, e-mail - 9 points;
Abstract - 10 point Bold, Max 300 words;
Body - 8 point, Reference - 8 point;
Paragraph Headings - 10 point Bold, Left aligned;
Figure - 300 dpi resolution, Caption at bottom of figure;
Table caption at the top of the table.

For abstract proposals, submission should include Name, Institute Affiliation, Mailing Address and Email address of all authors

REGISTRATION FEE :

After the submission of Paper / Abstract for the conference, it will be sent for review. Notification will be given via e - mail to the candidates if their paper is accepted. After receiving the acceptance notice via mail they have to register themselves with the required registration fee well in advance as per the conference schedule.

Registration fee include : **Conference Kit, Conference Proceeding, Lunch and High Tea.**

Students : 2000 INR

Academicians, Scientists & Research scholars : 2500 INR

Industry : 3000 INR

No TA / DA will be paid to any delegate participating in the conference.

REGISTRATION FEE THROUGH ONLINE TRANSFER:

Account Name : MALLABHUM INSTITUTE OF TECHNOLOGY

Bank Name & Branch : ICICI Bank, Bishnupur Branch

Account Number: 089301000095

Branch Code : 000893

IFSC code : ICIC0000893

MICR code : 722229001

Important Dates :

Abstract Submission : 31st July, 2019

Abstract acceptance Notification : 9th August, 2019

Last Date of Registration : 14th August, 2019

Full Paper Submission : 16th August, 2019

National Conference on Device Modeling AND Soft computing for Real-time applications (DMSC-2019)

13th & 14th SEPTEMBER 2019

Organized by,
**Dept. of Electronics & Communication Engg.
Mallabhum Institute of Technology
Bishnupur, Bankura, West Bengal**



In Collaboration with,
The Institution of Engineers (India)



Venue:
Ramananda Hall - MIT, Bishnupur Campus



Call for Papers: (Topics not Limited to)

Semiconductor device modeling, System optimization, Manufacturing systems, Process and system control, Signal & image processing, Energy management, Solar Cell, Human Machine Interface, Robotics, Motion control, Power electronics, Green computing, Biomedical Engg, Industrial electronics.

OBJECTIVE OF THE CONFERENCE

Two days National Conference on Device Modeling and Soft Computing for real-time applications (DMSC 2019) will basically focus on modeling of electronic devices and real-time applications of soft-computing. Semiconductor device modeling has developed in recent years from being solely the domain of device physicists to span broader technological disciplines involved in device and electronic circuit design and development. Traditional equivalent circuit models and closed-form analytical models cannot always provide consistently accurate results for all modes of operation of these very small devices. The desire to move towards computer aided design and expert systems have reinforced the need for models capable of representing device operation under DC, small-signal, large-signal and high frequency operation. It is also desirable to relate the physical structure of the device to the electrical performance. This demand for better models has led to the introduction of improved equivalent circuit models and an upsurge in interest in using physical models. Soft computing is based on natural as well as artificial ideas. Soft Computing is basically optimization technique to find solution of problems which are very hard to answer. Soft Computing techniques are Fuzzy Logic, Neural Network, Support Vector Machines, Evolutionary algorithms and Machine Learning, Probabilistic Reasoning etc. Moreover, Soft Computing techniques, which are based on the information processing of biological systems are now massively used in the area of pattern recognition, fuzzy logic, probabilistic reasoning, artificial neural network, making prediction, planning, as well as acting on the environment.

About the Institute

With the mission, to develop the scenario of technical education in the backward region of West Bengal, a graduate engineering college namely Mallabhum Institute of Technology was setup in 2002 at Bishnupur. MIT has different streams (CSE, EE, ECE, ME & CE). The institute approved by AICTE and affiliated to MAKAUT.

About the Department

The department of ECE started its journey since 2002 with a present intake of 60 students. There are well experienced & highly qualified faculty members in the department. The students of the department are well placed in various MNCs every year like TCS, LG, Ericsson, Wipro etc. Some students have also qualified in GATE, MAT, CAT etc. and are pursuing higher studies.

Patrons

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Mr. Ankan Bhattacharya, ECE Dept. MIT, Bishnupur

INVITED Speakers

Dr. Prasanta Kumar Guha, Associate Professor, Department of Electrical & Electronics Communication Engineering, IIT Kharagpur, India

Dr. Arup Kumar Nandi, Principal Scientist, CSIR Central Mechanical Engineering Research Institute, Durgapur, India

Dr. Ratan Mandal, Associate Professor, School of Energy Studies, Jadavpur University, Kolkata, India

Dr. Tapan Santra, Assistant Professor, Department of Electrical Engineering, Kalyani Government Engineering College, Kalyani, India

Dr. Arindam Biswas, Assistant Professor, School of Mines & Metallurgy, Kazi Nazrul University, Asansol, India

Boarding & Lodging

Accommodation can be arranged on prior booking at the institute guest house/hostel on a chargeable basis. Variety of hotels & lodging facilities are also available in the town.

How to Reach MIT, Bishnupur

Bishnupur is situated on the Kharagpur – Adra line of S. E. Rly. The Institute is 9 kms. away from Bishnupur Rly. Station. MIT campus is 140 kms. away from Kolkata by Road (SH2), Kharagpur - 78 Kms, Durgapur - 65 Kms, Burdwan - 90 Kms, Bankura - 39 Kms and Purulia - 90 Kms.

