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IEEE SPONSORED INTERNATIONAL WORKSHOP ON

Optimization and Intelligence in Electronics Engineering Applications (IEEE OIEEA-2021)

26th to 30th July 2021

राष्ट्रीय प्रौद्योगिकी संस्थान, सिलचर
NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR

Organized by
Department of Electronics & Communication Engineering, National Institute of Technology Silchar, Assam- 788010, India

ABDUL KALAM LEARNING RESOURCE CENTRE

About the Institute:

National Institute of Technology (NIT) Silchar, an institute of national importance under the NIT Act, was established in 1967 as Regional Engineering College (REC) Silchar in Assam. In the year 2002, it was upgraded to the status of NIT from REC. The landscape of NIT Silchar is beautiful with natural lakes and hillocks, surrounded by tea gardens. NIT Silchar is a fully residential institution with nine hostels for boys and three hostels for girls. NIT Silchar was ranked 46th among all engineering colleges in India by the National Institutional Ranking Framework (NIRF) in 2020 and the Times Higher Education World University Ranking ranked National Institute of Technology Silchar 801-1000 in 2020 rankings.

Chief Patron
Prof. Sivaji Bandyopadhyay
Director NIT Silchar
Patrons
Prof. A. K. Barbhuiya
Dean Academics
Prof. S. Baishya
Dean R&C
Dr. K. L. Baishnab
Head ECE Dept.
Chairperson
Prof. Fazal Ahmed Talukdar
Convenor
Dr. Trupti Ranjan Lenka
Co-convenor
Dr. Rabul Hussain Laskar

Coordinators

Dr. R. Murugan
Dr. Tripti Goel
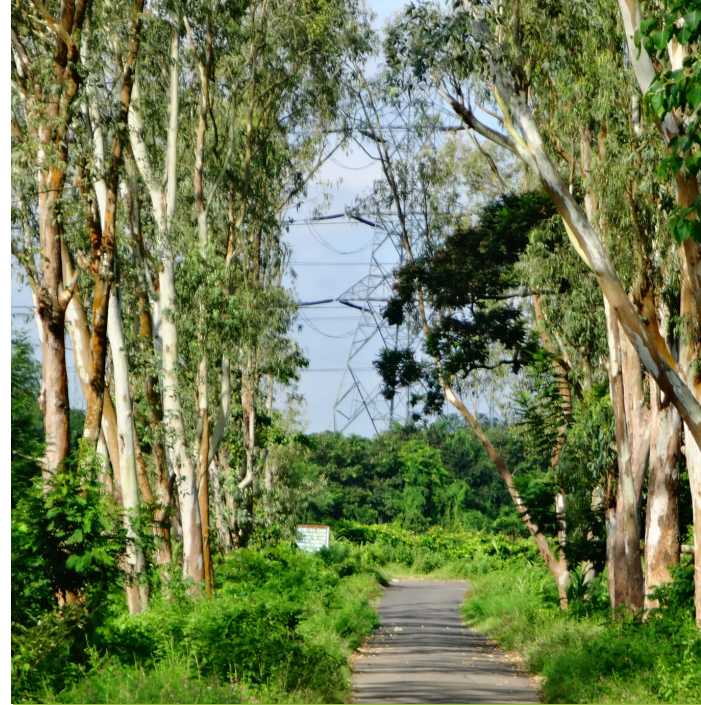Dr. Prabina Pattanayak
Dr. Devendra Singh Gurjar

ABOUT WORKSHOP

The objective of this workshop is to provide a platform to get exposure in the field of optimization and intelligence techniques used for a wide range of real-time engineering applications. Moreover, the workshop aims to create an academic and research network between scientific communities across the world. Therefore, we expect a footfall of more than 500 participants from various parts of the country and abroad. This workshop will cover the following topics:

- Metaheuristic Optimization
- Process Control and Optimization
- Reinforcement Learning in Wireless Communications
- Communication Technologies in Industry Applications
- Artificial Intelligence
- Optimization in Image Processing
- Airway Segmentation and Application to Biomedical and Clinical Research
- Medical Image Analysis
- Computational Neuroscience
- Brain Computer Interfaces

Important Dates

Form submission: 20 July 2021
Registration Confirmation: 22 July 2021

Targeted Participants

UG/PG Students, Research Scholars, Academicians, and Industry professionals.

Certification

E-certificates will be provided to those participants who have attended the program without any absenteeism.

Course Materials

Lecture slides and other reference materials will be shared with the registered candidates through email.

Registration fee: Nil
Number of participants: 200

Registration Link

https://forms.gle/3omv4ridLGVvLnzU8

OUR SPEAKERS

- **Dr. Rama Rao Karri**
  Universiti Teknologi Brunei
- **Dr. Seyedali Mirjalili**
  Torrens University Australia
- **Dr. Tapan K Gandhi**
  IIT Delhi
- **Dr. Wahidah Mansor**
  Universiti Teknologi Mara, Malaysia
- **Dr. Foo Yee Loo**
  Multimedia University, Malaysia
- **Dr. Sumantra Dutta Roy**
  IIT Delhi
- **Dr. Rammohan Mallipeddi**
  Kyungpook National University, South Korea
- **Prof Shekhar Verma**
  IIIT Allahabad
- **Dr. Sanjeev Kumar Malik**
  IIT Roorkee
- **Dr. Syed Ahmed Nadeem**
  University of Iowa, USA

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