Five – day Webinar Series
On
SIGNAL PROCESSING

AND

MACHINE LEARNING APPROACHES

FOR BIOMEDICAL SIGNALS

(SPMLB -2021)

25th to 29th October, 2021

Patron
Dr. Animesh Biswas
Director, NIT Rourkela

Chairperson
Prof. Dipti Patra
Head, Dept. of Electrical Engineering,
NIT Rourkela

Convenor
Dr. Anwesha Sengupta
Assistant Professor, Dept. of Electrical Engineering,
NIT Rourkela

Organized by
Department of Electrical Engineering, NIT Rourkela
Rourkela, Odisha – 769008, India.

About NIT Rourkela

National Institute of Technology, Rourkela (NIT Rourkela), formerly Regional Engineering College, Rourkela, is a publicly funded premier institute of higher learning for engineering, science and technology located in the steel city of Rourkela, Odisha, India. It is one of the 31 National Institutes of Technology in India and it is ranked 20th in the NIRF Rankings 2021 of Indian Engineering universities.

Objectives of the Series

Biomedical Signal Analysis is gradually gaining momentum as a promising field of research. The series aims to:
- Provide an opportunity for research scholars and PG students to familiarize themselves with recent advances in signal processing and machine learning and their applications to biomedical signals
- Encourage interaction between Faculty members and industry experts
- Facilitate exchange of technical knowledge and expertise in relevant fields

Resource Persons

- Prof. Dipti Patra, NIT Rourkela
- Dr. Supratim Gupta, NIT Rourkela
- Prof. Maheshkumar Kolekar, IIT Patna
- Prof. Nirmalya Ghosh, IIT Kharagpur
- Prof. Ram Bilas Pachori, IIT Indore
- Dr. Priya Ranjan Muduli, IIT (BHU)
- Dr. M. Sabarimalai Manikandan, IIT Bhubaneswar

- Dr. Ramesh Kumar Ramakrishnan and Rahul Gavas, TCS Research and Innovation, Tata Consultancy Services Limited, Bengaluru
- Dr. Anirban Dasgupta, Boeing Research and Technology (BR&T), Boeing India Private Limited
- Dr. Aritra Chaudhuri, Mahindra Electric Mobility Limited
- Dr. Praful P. Pai, MathWorks India

Details about the series
The series will comprise of lectures held over five days (25-29 October 2021) with two sessions per day. Each session will approximately be of 1.5 hours duration.
Mode of training is Instructor-led live online.
- Participants will be provided with recorded sessions after completion of training
- E-Certificates to be issued to participants: however, participants need to attend all sessions to be eligible for certificates

Who Can Attend

Undergraduate/ Postgraduate students/ Research Scholars/ Faculty members/ Industry Personnel

Registration Fee

- UG/PG Students: **INR 300**
- Research Scholars: **INR 500**
- Faculty/ Participants from R&D Institutes/ Industry: **INR 1000**
- **No registration fee for students / staff of NIT Rourkela**

Registration Process

1. Registration fee should be paid through online mode in the following account:
   - **Account Name: CONFERENCE, NIT ROURKELA**
   - **Account No.: 36734418111**

2. Registration form link: **https://forms.gle/ovcR4djYg3RX8i8F6**

3. The registration form may also be downloaded from **www.nitrkl.ac.in**

4. **Registration deadline: 22nd October 2021, Friday, 11:59 PM (IST)**

5. A PDF version of filled-up application form should be sent through email to **spamlb2021@gmail.com** with a copy to **Senguptaan@nitrkl.ac.in** along with the following documents to complete the process of registration:
   a. Proof of payment of registration fee
   b. Document in support of student status (for UG/PG/Research Scholars)
   c. Scanned copy of ID card (For Faculty/ Industry personnel)
   d. Scanned copy of AADHAR Card

Maximum number of participants: 200
Selection on first-come-first-served basis

Contact Details
Dr. Anwesha Sengupta
Dept. of Electrical Engineering,
NIT Rourkela
Email: Senguptaan@nitrkl.ac.in
Phone: 9432187482

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REGISTRATION FORM

1. Name (block letters): ....

2. Gender: Male/ Female/ Transgender/ Prefer not to disclose: ....

3. Are you (tick whichever is applicable):
   a. Undergraduate student
   b. Postgraduate student
   c. Doctoral Student
   d. Faculty
   e. Industry Professional

(Participants belonging to the first three categories need to furnish proof of their student status)

4. If you are a student/staff of NIT Rourkela, please mention your Roll Number/ Employee ID: ....

5. Organization: ....

6. Designation: ....

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7. Address for communication: ....

8. Email ID: ....

9. Phone number (preferably WhatsApp number): ....

10. AADHAR No:...

DECLARATION: I do hereby agree to abide by the rules and regulations of the Webinar Series.

Place: ....

Date:..........................

....
Signature of the Applicant