Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam
Department of Biomedical Engineering

Tenth International Conference on Bio Signals, Images and Instrumentation (ICBSII 2024)

March 20-22, 2024

Day 1 - March 20th 2024	
08.30 a.m. – 09.30 a.m.	**Registration**
09.30 a.m. – 10.30 a.m.	**Inauguration** **Venue: Justice Pratap Singh Auditorium**
10.30 a.m. – 11. 00 a.m.	**Tea Break**
Keynote Sessions **Venue: Central Seminar Hall**	
11.00 a.m. - 11.45 a.m.	**Session 1 – Dr. Laura Cercenelli** Adjunct Professor, Department of Biomedical and Neuromotor Sciences, University of Bologna, Italy *eXtended Reality in Surgery: Current Experiences and Future Challenges*
11.45 a.m. – 12.30 p.m.	**Session 2 - Dr. Mark E Schafer** Research Professor, School of Biomedical Engineering, Science and Health Systems, Drexel University, Philadelphia, USA *Designing Ultrasound Systems for Brain Research across Different Spatial Scales*
12.30 p.m. – 1.30 p.m.	**Lunch**

01.30 p.m. – 03.30 p.m.	**Paper presentation – Venue: Department of BME**			
	Track 1 Venue: **CHT Lab**	**Track 2 Venue:** **BMI Lab**	**Track 3 Venue:** **DTE Lab**	**Track 4 Venue:** **MSDM Lab**

Day 2 - March 21st 2024 **Venue: Central Seminar Hall**	
08.30 a.m. – 09.15 a.m.	**Session 3 – Dr. Sandy Weininger** Senior Electrical/Biomedical Engineer, Center for Devices and Radiological Health, Food and Drug Administration, USA *My Journey to System Safety*
09.15 a.m. – 10.00 a.m.	**Session 4 – Dr. Kurtulus Izzetoglu** Associate Professor, School of Biomedical Engineering, Science and Health Systems, Drexel University, Philadelphia, USA *Translating Assessment of Brain Function to Operational Environment via Functional Near Infrared Spectroscopy*
10.00 a.m. – 10. 30 a.m.	**Tea Break**

10.30 a.m. – 11.15 a.m.	**Session 5 –** Dr. Ram Bilas Pachori Professor, Department of Electrical Engineering, Indian Institute of Technology Indore *Multi-channel Non-stationary Biosignal Processing*
11.15 a.m. - 12.15 p.m.	**Session 6 –** Dr. Swetha Amit Senior Application Engineer, Entuple Technologies Private Limited, Bangalore *Ansys HFSS: Accelerating Engineering & Biomedical Technology Innovations*
12.15 p.m. – 1.15 p.m.	**Lunch**

01.15 p.m. – 03.15 p.m.	**Paper presentation –** Venue: Department of BME			
	Track 5 Venue: CHT Lab	**Track 6 Venue:** MSDM Lab	**Track 7 Venue:** DTE Lab	**Track 8 Venue:** BMI Lab

Day 3 - March 22ⁿᵈ 2024
Venue: SNU Seminar Hall

08.30 a.m. - 09.15 a.m.	**Session 7 –** Dr. David Belo Fraunhofer Portugal AICOS, Portugal *Unleashing the Potential of Deep Learning*
09.15 a.m. – 10.00 a.m.	**Session 8 –** Dr. Debdoot Sheet Assistant Professor, Department of Electrical Engineering, Indian Institute of Technology Kharagpur *Rethinking Medical Image Compression in the Deep Learning Era*
10.00 a.m. – 10. 30 a.m.	**Tea Break**
10.30 a.m. - 11.15 a.m.	**Session 9 -** Dr. Sivakumar Balasubramanian Professor and Head, Department of Biomedical Engineering, Christian Medical College, Vellore *Can Machine Learning Help in Assessing Upper-Limb Functioning Using Wearable Sensors?*

11.15 a.m. – 12.30 p.m.	**Paper Presentation –** Venue: Department of BME		
	Track 9 Venue: CHT Lab	**Track 10 Venue:** BMI Lab	**Track 11 Venue:** MSDM Lab

12.30 p.m. – 1.30 p.m.	**Lunch**
1.45 p.m. – 2.30 p.m.	**Session 10 –** Dr. Kambiz Pourrezaei Professor, School of Biomedical Engineering, Science and Health Systems, Drexel University, Philadelphia, USA *Overview of the Steps for Developing a Medical Device*
2.30 p.m. – 3.00 p.m.	**Valedictory Function**