

AMITY SCHOOL OF ENGINEERING & TECHNOLOGY

Organizes Workshop

On

Principles & Practices of EMG in Movement Sciences

Co-located with

7th International Conference on Signal Processing and Integrated Networks (SPIN 2020)

Date: 26th February, 2020

Venue: E2-Seminar Hall, Amity University, Amity Rd, Sector 125, Noida, Uttar Pradesh, India-201313

Time	Topic	Speakers
9:30 AM - 10:10 AM	Reporting at Registration Desk	
10:00 AM - 10:15 AM	Welcome and Opening Remarks	HoD, ECE, ASET, AUUP
10:15 AM – 10:30 AM	History of sEMG	Ms Bhawna Shiwani, Research Scientist, Delsys Inc
10:30 AM – 11:00 AM	Sensing sEMG - recording techniques, considerations for signal quality	Mr Nicholas Ducey, Delsys Inc
11:00 AM – 11:30 AM	Processing sEMG - signal processing techniques for physiological signals	Ms Bhawna Shiwani, Research Scientist, Delsys Inc
11:30 AM – 11:45 AM	Tea Break	
11:45 AM-12:15 PM	Important features of sEMG signals	Ms Bhawna Shiwani, Research Scientist, Delsys Inc
12:15 PM-1:00 PM	Feature extraction – Time domain, Frequency domain	Ms Bhawna Shiwani, Research Scientist, Delsys Inc
1:00 PM –1:45 PM	Lunch Break	
1:45 PM-2:30 PM	Integrating sEMG features with kinematic outputs	Ms Bhawna Shiwani, Research Scientist, Delsys Inc
2:30 PM -3:00 PM	Case Study 1: Identify quantitative metrics of quality of gait in Parkinson's	Mr Nicholas Ducey, Delsys Inc
3:00 PM-3:30 PM	Case Study 2: Injury and performance metrics from EMG and IMU signals	Mr Nicholas Ducey, Delsys Inc
3:30 PM- 4:15 PM	Hands-on with EMG Equipment	Mr Nicholas Ducey, Delsys Inc
4:15 PM - 4:30 PM	Vote of Thanks	Dr. Rinki Gupta, Asst. Prof., ECE, ASET, AUUP
4:30 PM -5:00 PM	Certificate Distribution and Open Discussion	

This workshop is sponsored by Delsys, Inc. USA and the De Luca Foundation

To Register: Please complete the details in the Registration Form (given below). Forward the completed form and proof of payment of registration fee for the workshop on the email id emgworkshopamity2020@gmail.com latest by Feb 19, 2020. For registered authors, also e-mail the Paper ID in SPIN2020. For Students, also e-mail the valid ID card of college.

Registration Fee:

Category	Amount (INR)
Working professionals, academicians	Rs. 2000
Students, Registered authors of SPIN2020	Rs. 1000

The registration fee includes lectures from international speakers on EMG, lab-session with EMG equipment, refreshments and lunch, and **signed certificate** as confirmation of course completion.

Contact for Enquiry: +91-1204392517 or email at emgworkshopamity2020@gmail.com.

Payment mode:

1. Through Electronic Fund Transfer:

Bank Name: ALLAHABAD BANK

Branch address: Amity University Uttar Pradesh Sec-125 Noida Distt.,
Gautam Budh Nagar - 201313

Account Name: AMITY UNIVERSITY-UTTAR PRADESH

Account Number: 20519034454

Account Type: Saving Account

Branch Code: 2270

MICR Code: 110010063

IFSC Code: ALLA0212270

Swift Code: ALLAINBBRPN

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Principles & Practices of EMG in Movement Sciences**

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Registration Form

Name:

Organization and Address:

Mobile No.:

Email id:

Registration Type:		Registration Fee	Tick the applicable box
	Working professionals, Academicians	Rs. 2000	<input type="checkbox"/>
	Students, Registered authors of SPIN2020	Rs. 1000	<input type="checkbox"/>

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Place:

Signature
Name

(Note: Forward the completed form and proof of payment of registration fee for the workshop on the email id emgworkshopamity2020@gmail.com latest by Feb 19, 2020. For registered authors, also e-mail the Paper ID in SPIN2020. For Students, also e-mail the valid ID card of college.)