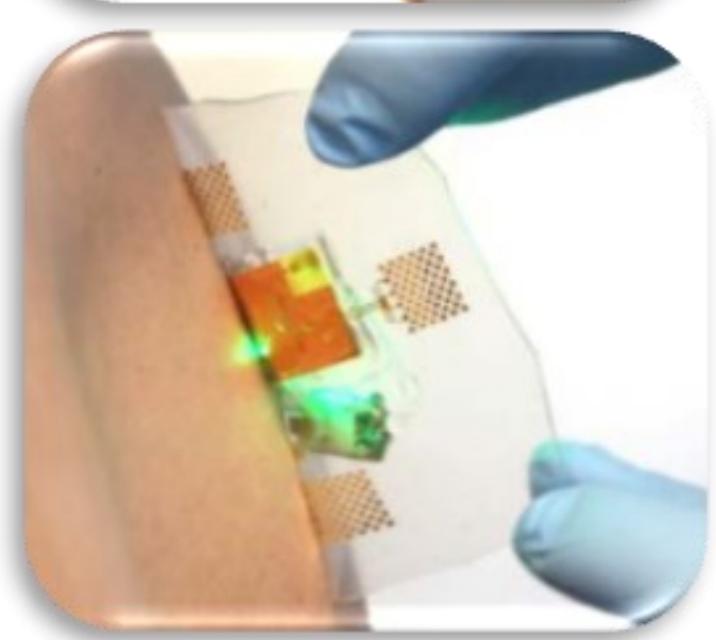


Fall 2019 NANOFANS

"Bridging Biology & Nanotechnology"







Thursday October 10, 2019 11 AM— 2:30 PM Marcus Nanotechnology Building 345, Ferst Drive Atlanta, GA 30322

Contact Info: Paul Joseph, Ph.D. Principal Research Scientist paul.joseph@ien.gatech.edu 404-894-5029











Topic: Medical Electronics (Flexible & Wearable)

11:00 AM - Welcome

11:10—11:50 AM

"Wearable Electronics: State of the Art and Challenges"

- Dr. Suresh Sitaraman, Professor of Mechanical Engineering at Georgia Tech

11:50—12:30 PM

"Wireless, Stretchable Hybrid Electronics for Smart and Connected Physiological Monitoring"

- Dr. W. Hong Yeo, Professor of Mechanical Engineering at Georgia Tech

12:30 - 1:10 PM - Lunch Break

1:10—1:50 PM

"3D Multi-electrode Arrays Fabricated on Flexible Substrate Enabled Single-Unit Recordings of Muscle Activity"

- Dr. Muneeb Zia & Dr. Bryce Chung, Research Engineers at Georgia Tech and Emory University respectively

1:50—2:30 PM

"Wearable Joint Health Assessment with Acoustic **Emission and Bioimpedance Spectroscopy Sens**ing"

- Dr. Omer Inan, Professor of Electrical and Computer Engineering at Georgia Tech

2:30 - 3:00 PM - IEN Cleanrooms/ Labs Tour

Make your lunch reservation (lunch at no cost) no later than October 7 at the link: http://fall2019nanofans.doattend.com/



