


Innovations in Stretchable Electronics & Manufacturing

- University of Delaware -

Soft Materials and Fabrication for Stretchable Electromagnetics

 Time: 6:00 – 7:15 PM

 Speaker: Dr. Nathan Lazarus
Electrical & Computer Engineering University of Delaware

Dr. Nathan Lazarus specializes in mixed-signal electronics and MEMS fabrication. His research spans stretchable power systems, 3D printing, and soft robotics. He has authored 66 refereed journal articles, holds 21 patents, and has received multiple prestigious awards, including the Presidential Early Career Award for Scientists and Engineers (PECASE).

Abstract: Soft biomaterials, like human skin, require unique materials and geometries for seamless integration with stretchable electronics. One of the biggest challenges is ensuring stable power and data transfer. This talk will explore wireless power transfer for stretchable systems, focusing on liquid metals and stretchable magnetic materials. Dr. Lazarus will highlight record-breaking advancements in stretchable inductor quality and power transfer efficiency.




RSVP by Feb.10

Details on building locations and parking will be sent to registrants.

Light fare will be provided during the event.

Students.....\$5
Non-students.....\$15

Tour of Maker Gym & Visit the Additive Manufacturing Lab

 Time: 7:30 – 8:15 PM

A hub for interdisciplinary design and fabrication, **Pearson Hall Makerspace** empowers students with state-of-the-art equipment for prototyping and creative problem-solving



Additive manufacturing lab: This state-of-the-art facility specializes in advanced additive manufacturing technologies

Features Cutting-Edge Equipment:

nScript Systems: Precision multimaterial printing

Polymer AM: High-temperature fused deposition modeling

Fortify 3D Flux One: Digital Light Processing



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