

2023 Regional Additive Manufacturing Symposium

Thursday June 22, 2023

Rowan University - Rowan Hall

Glassboro, NJ



PRESENTATIONS

PLENARY SESSION

Additive Manufacturing of Reinforced High Performance Thermoset Polymers

Nicolas Alvarez, Ph.D. – Drexel University

Low-Cost Deployment of Additive Manufacturing in the Quantification of Biofilm Accumulation

Christopher Piccolo – Rowan University

Additive Manufacturing of Magnesium Parts for Rotorcrafts via Laser Powder Bed Fusion

Antonio Paesano, Ph.D. – Boeing

Multiplexed Fused Filament Fabrication Beyond Throughput-Resolution-Flexibility Tradeoffs

Rajiv Malhotra, Ph.D. – Rutgers University

DLP Printing of Materials with Spatially Resolved Properties from a Single Vat

Giuseppe R. Palmese, Ph.D. – Rowan University AMMI

Additive Manufacturing of Renewable Materials

Joseph F. Stanzione III, Ph.D. – Rowan University AMMI

AFTERNOON SESSION I

Controlled 2D and 3D Self-Assembly of Short Fibers for Additive Manufacturing

Thamires Andrade Lima, Ph.D. – Drexel University

Novel Technique for Swift and Controlled Fabrication of Composite Materials via Additive Manufacturing

Ahmed M. H. Ibrahim – Drexel University

In-situ Monitoring for Assisted Defect Detection in AM Using Optical Imaging and Infrared Thermography

Youssef AbouelNour – New York University

3D-Printed Shadow Waveguide-Based Acoustofluidic Device for Microparticle Trapping and Manipulation

Chadi Ellouzi – Rowan University

AFTERNOON SESSION II

Determining the Processing Conditions of Direct Ink Writing Through Controlling Interfacial Adhesion

Heedong Yoon, Ph.D. – Drexel University

Betulin-Based Polyester Thermoplastics and Their Incorporation in UV-Curable Methacrylate Networks

Casey Cox – Rowan University AMMI

Substrate Compatibilization Strategies for Self-Limiting Electrospray Deposition

Noah McAllister – Rutgers University

Styrene Maleic Anhydride Enhanced ABS Compounds Tailored for Additive Manufacturing

Sudipto Das, Ph.D. – Aurorium

EVENT SCHEDULE

MORNING

- 8:00 AM Registration
- 8 - 5 PM Exhibitor Tables & Posters on Display
- 9:00 AM Welcome & Introduction
- 9:15 AM Plenary Session

AFTERNOON

- 12 PM Lunch, Networking, Lab Tours
- 1:30 PM Student Poster Session
- 2:45 PM Presentations - 2 Concurrent Sessions
- 4:45 PM Student Poster Awards & Closing Remarks

REGISTRATION

This event is open to the public.
Any interested party is invited to attend!

Use the QR code to access the [online registration form](#).

A [printable registration form](#) is also available on the event webpage.



Please visit www.njsampe.org or contact inquiry@njsampe.org for more information about this event.