

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

Styrene Maleic Anhydride Enhanced ABS Compounds Tailored for Additive Manufacturing

Sudipto Das, Ph.D. – Aurorium

AFTERNOON SESSION II

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

Heedong Yoon, Ph.D. – Drexel University

Controlling Spontaneous Relaxation of Newtonian Filaments in Direct Ink Writing

Amir Azimi Yancheshme – 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

EVENT SCHEDULE

MORNING

8:00 AM	Registration
8 AM - 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

REGISTER



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