

NSF EPSCoR Research Infrastructure Improvement (RII) Award
The 4th LAMDA Frontiers and Technical Conference
“Advanced Manufacturing, Joining, and Repairing of Polymer Composite Materials and Structures”

February 9, 2024

Zoom Meeting Link (<https://lsu.zoom.us/j/6968015592>)

Physical Space: Frank H. Walk Design Presentation Room

Engineering Laboratory Annex 140, LSU, Baton Rouge, LA, 70803

Agenda

8:30 – 8:40	Welcoming Remarks and Overview Dr. Michael Khonsari, Louisiana Board of Regents
SESSION CHAIR: Dr. Guoqiang Li, LSU	
8:40 – 9:10	Dr. Nikhil Gupta (New York University) Manufacturing and Characterization of Composites in the Age of 3D Printing and Machine Learning
9:10 – 9:20	Q&A and Discussion
9:20 – 9:50	Dr. Jeff Ellis (EWI) Innovations in Polymer Joining
9:50 – 10:00	Q&A and Discussion
10:00 – 10:30	Dr. Amber Wagner (Aegion) Utilization of CIPP and CFRP to Rehabilitate Underground Infrastructure
10:30-10:40	Q&A and Discussion
10:40-10:50	Break
10:50-12:00	Beginning of LAMDA TECHNICAL MEETING CONTENT
10:50-11:10	Shengmin Guo (LSU) , Summary of LAMDA SD-1 research: Complex Concentrated Alloys (CCAs) with balanced mechanical performance. (Including response to SV and ERB)
11:10-11:30	Guoqiang Li (SU/LSU) , Summary of LAMDA SD-2 research: AM-compatible Thermoset Shape Memory Polymers (TSMs) with enhanced service life. (Including response to SV and ERB)
11:30-12:00	Wynton A Johnson (LSU) , Summary of LAMDA education and outreach activities
12:00-12:10	Noushin Adibi (LSU) Student Activities
12:10-1:00	Ramu Ramachandran (LaTech) + Lunch Professional Development: Communicating Science
AFTERNOON: LAMDA TECHNICAL Reports, SESSION CHAIRS: Drs. Shengmin Guo and Guoqiang Li, LSU	
1:00 – 1:50	Meng (LSU), Raush (ULL) /Sprunger (LSU), Wick (LaTech), Ghadimi (LSU), Hamm (TU), Rahman, (La Tech) SD-1- Complex concentrated alloys (CCAs)
1:50 – 2:00	Q&A
2:00– 2:50	Wick (LaTech), Peters (LaTECH), GLi (SU/LSU), Pojman (LSU), Mensah (SU), Chirdon (ULL) SD-2 – Thermoset Shape Memory Polymers (TSMs)
2:50 – 3:00	Q&A
3:00-3:10	Concluding Remarks Dr. Michael Khonsari, Louisiana Board of Regents