

MS1-3: Architected and Additively manufactured materials (metals, polymers, ceramics)

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Architected materials are known for properties that emerge from strategic geometric arrangement of constituents at the meso-, micro-, or nano-scale. Rapid advances in additive manufacturing means increased geometric freedom at a widening range of length scales and access to a growing material space, which promotes exploration of novel architectures. This mini-symposium focuses on all aspects of architected and additively manufactured materials, including but not limited to theory, emergent properties, design, physical realization, and experimental characterization.