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**Presentation No. : 2-B-4****An Entangled Material made from Fiber Aerosol Deposition Method**

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Keywords: aerosol deposition, thick film, room temperature, ceramic coating, RTIC, carbon fiber, graphite

Highlights of This Poster Presentation

While conventional AD method excels in depositing isotropic particulate as materials, its application to anisotropic fibrous systems remains fundamentally constrained by the inherent mechanical and geometric properties of such materials. In here, we present a transformative adaptation of AD technology - designated as fiber aerosol deposition (FAD) - specifically engineered for the assembly of short carbon fibers (SCFs) into three-dimensional architectures without requiring binders or thermal processing.

