

## Next Generation of Nano-Enhanced Composites and 3D Printable Materials

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The 3D printing market is expected to grow quickly over the course of the next few years, without factoring in the likelihood of advances in both printer and filament technologies. Nano-composites are actively used in production of advanced filaments. As an example, adding graphene filler to filaments increases the strength and adds conductivity to end-products made via 3D printing— a major advancement when considering using 3D printing for energy storage, electronic, and other commercial applications. Dr. Polyakova will overview the recent progress made in this area at Graphene 3D Lab and its long-term effects on the 3D printing industry.