

# **Laser Additive Manufacturing of High-Performance and Multi-Function Metallic Components**

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This presentation summarizes our latest research progress on laser additive manufacturing of metallic components with high-performance and multi-function, including the structural optimization, material innovation, process control, performance evaluation and engineering applications. This presentation also provides some considerations in the future research and development of laser additive manufacturing technologies in the production of high-performance/multi-function metallic components and the engineering applications with high efficiency, high quality and sustainable development capability.