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"INTRODUCTION TO 3D PRINTING TECHNOLOGIES"

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"Introduction to 3D Printing Technologies"

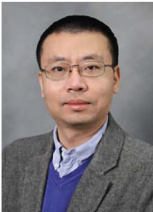
COMING SOON!

Instructor: Dr. Benxin Wu

Cost: \$200.00 per registrant

By taking this short course, students can develop a general understanding of several existing 3D printing technologies, including their typical setups, working principles, capabilities, advantages, and limitations. This course can be taken by advanced students in high school grades 9-12 who are interested in 3D printing technologies or anyone (with a similar or better educational background) who is not familiar with, but is interested in gaining a general understanding of, 3D printing technologies. Furthermore, the course expands students' horizons by showing them how diverse physical processes and mechanisms are effectively utilized to produce parts in various 3D printing technologies, fostering their innovative thinking capabilities.

Topics to Cover: Powder bed fusion using laser or electron beams; Directed energy deposition; Fused deposition modeling; Stereolithography; Binder jetting; Laminated object manufacturing; Ultrasonic additive manufacturing; Cold spray additive manufacturing; and Wire arc additive manufacturing, etc.



Dr. Benxin Wu is a professor in the School of Mechanical Engineering at Purdue University and an associate editor for Journal of Manufacturing Processes. His research interest is mainly in the field of laser-based manufacturing and materials processing with numerous journal publications and three granted patents on novel manufacturing processes he invented. Prof. Wu received the prestigious National Science Foundation CAREER award in 2011 and the SME Outstanding Young Manufacturing Engineer award in 2013. He co-hosted the MSEC/NAMRC conference, one of the major manufacturing conferences in US, at Purdue University in 2022.

For more information, please contact the PAGE Program Manager:

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