

Ph.D. School in Engineering Science Seminar Announcement

April 6th - 15:30 on [TEAMS](#)

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Design for additive manufacturing

Additive manufacturing processes work on the basic principle of producing a 3D part by stacking material layer by layer. The technology has evolved rapidly from a simple prototyping tool to a method that can be used to make functional parts and tooling. Additive manufacturing is already being used in myriad industries, including automotive, biomedical, aerospace and defense. Additive manufacturing technologies offer enormous design freedom compared to other manufacturing methods. However, it is important to understand the basic design principles that are suitable for this technology so that parts conform to the constraints – and leverage the strengths – of additive manufacturing processes. This seminar will examine additive manufacturing through the lens of design and discuss the factors that should be considered at the design stage to effectively produce parts using additive manufacturing methods.