



Mastering AM freedom

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Laser based Additive Manufacturing provides an immense number of degrees of freedom. So far, however, these have hardly been utilized. Current AM technology merely aims at reproducing properties that have been achieved in Casting or Forging decades ago. With the combination of process observation, modelling and data analysis, we can now start to tap into the vast potential of AM: Automated process control, targeted property manipulation, and novel material properties. It is the beginning of truly digitized manufacturing that will change the way we design and build things.