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Growth systematics for the controlled generation of nanostructured materials

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Whilst nanomaterials are well established in the research arena they are yet to be exploited at the industrial scale due to their limited availability. A series of bottlenecks must still be overcome before their outstanding properties can be fully unlocked. This fact applies to nanomaterials across the board including tailored 0D, 1D, 2D structures and combinations thereof. This talk addresses the challenges that need to be overcome related to up-scaling the production of novel nanomaterials, possible solutions and the necessity for the development of dedicated nanomaterials for end- user applications will also be discussed.