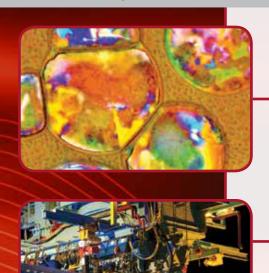
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Materials processing involves complex transport phenomena involving transient, turbulent, non-isothermal and multiphase flows, and the ability to model these flows has greatly enhanced our understanding of different processing operations. Today with increasing computational power and decreasing computational costs, researchers have pushed the boundaries and attempted to model various coupled multiphysics. These include steelmaking and casting, light metals processing, solidification, metal powder production, non-ferrous pyrometallurgy, molten salt electrolysis and many more.

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