

Abstract Submitted  
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**Instability-Driven Streak Formation During Convective Deposition** ALEXANDER WELDON, KEDAR JOSHI, JAMES GILCHRIST, Lehigh University — The formation of streaks, often unwanted localized multilayer particle deposition oriented in the direction of deposition, is studied across a robust variety of process conditions. In systems where streaks form, many streaks are initiated and then coarsen and merge as the deposition progresses. Image analysis of streaks give a detailed account of their formation and development. Insights into the formation of this stochastic process will be given and suggest ways to suppress the formation of streaks.

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