

MAR15-2014-003503

Abstract for an Invited Paper
for the MAR15 Meeting of
the American Physical Society

Particle laden interfaces and dispersions: Enabling high performance and multifunctional materials

RAVI SHARMA, Cabot Corporation

Particles at interfaces are finding increasing use in Pickering emulsions due to their superior stability compared to surfactant-stabilized emulsions. In this presentation we present an overview of particle laden interfaces and particle concepts for development of high performance materials, some of which could be used to address current materials problems in additive manufacturing.