

## Accepted Manuscript

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Prathamesh S. Desai, Akash Mehta, Patrick S.M. Dougherty, C. Fred Higgs



PII: S0032-5910(18)30758-7  
DOI: doi:[10.1016/j.powtec.2018.09.047](https://doi.org/10.1016/j.powtec.2018.09.047)  
Reference: PTEC 13721  
To appear in: *Powder Technology*  
Received date: 2 February 2018  
Revised date: 20 August 2018  
Accepted date: 14 September 2018

Please cite this article as: Prathamesh S. Desai, Akash Mehta, Patrick S.M. Dougherty, C. Fred Higgs , A rheometry based calibration of a first-order DEM model to generate virtual avatars of metal Additive Manufacturing (AM) powders. Ptec (2018), doi:[10.1016/j.powtec.2018.09.047](https://doi.org/10.1016/j.powtec.2018.09.047)

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A rheometry based calibration of a first-order DEM model to generate virtual avatars of metal additive manufacturing (AM) powders

Prathamesh S. Desai<sup>a</sup>, Akash Mehta<sup>b</sup>, Patrick S. M. Dougherty<sup>c</sup>, C. Fred Higgs III<sup>a,\*</sup>

higgs@rice.edu

<sup>a</sup>Rice University, 6100 Main St, Houston, TX 77005

<sup>b</sup>ANSYS Inc, 2600 Ansys Dr, Canonsburg, PA 15317

<sup>c</sup>Bettis Atomic Power Laboratory, 814 Pittsburgh McKeesport Blvd, West Mifflin, PA 15122

\*Corresponding author.

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