#### **Accepted Manuscript**

Mechanisms of pearlitic spheroidization: Insights from 3D phase-field simulations

P.G.Kubendran Amos, Avisor Bhattacharya, Britta Nestler, Kumar Ankit

PII: \$1359-6454(18)30755-9

DOI: 10.1016/j.actamat.2018.09.043

Reference: AM 14852

To appear in: Acta Materialia

Received Date: 6 July 2018

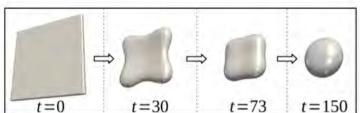
Revised Date: 18 September 2018 Accepted Date: 19 September 2018

Please cite this article as: P.G.K. Amos, A. Bhattacharya, B. Nestler, K. Ankit, Mechanisms of pearlitic spheroidization: Insights from 3D phase-field simulations, *Acta Materialia* (2018), doi: https://doi.org/10.1016/j.actamat.2018.09.043.

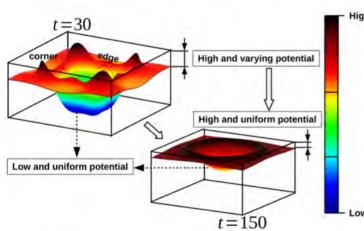
This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



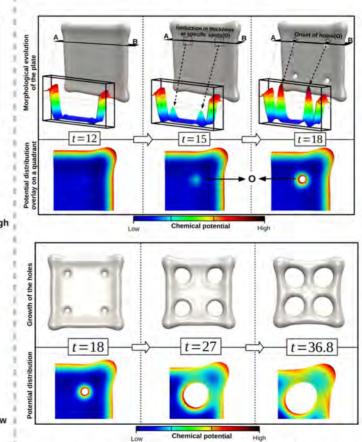
## Termination-migration assisted spheroidization



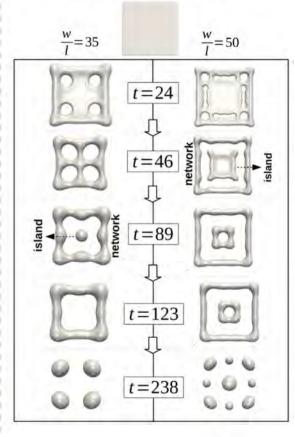
### Chemical-potential distribution



## Onset and growth of discontinuities



# Discontinuities-assisted spheroidization



Aspect ratio of cementite plate

#### Download English Version:

## https://daneshyari.com/en/article/11026811

Download Persian Version:

https://daneshyari.com/article/11026811

<u>Daneshyari.com</u>