

Accepted Manuscript

Resource based process planning for additive manufacturing

AMM Nazmul Ahsan, Md Ahasan Habib, Bashir Khoda

PII: S0010-4485(15)00038-X

DOI: <http://dx.doi.org/10.1016/j.cad.2015.03.006>

Reference: JCAD 2316

To appear in: *Computer-Aided Design*



Please cite this article as: Ahsan AN, Habib MA, Khoda B. Resource based process planning for additive manufacturing. *Computer-Aided Design* (2015), <http://dx.doi.org/10.1016/j.cad.2015.03.006>

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.

Highlights (for review)*Highlights**

1. Resource based process planning model is proposed for Additive manufacturing.
2. Optimum build direction is determined for free-form object.
3. Deposition directions are optimized for generated slices.
4. Proposed methodology minimizes the resource consumption during part fabrication.
5. Better build time and length are found during implementation.

Download English Version:

<https://daneshyari.com/en/article/6876501>

Download Persian Version:

<https://daneshyari.com/article/6876501>

[Daneshyari.com](https://daneshyari.com)