

# Accepted Manuscript

Electromagnetic and microwave absorbing properties of cementitious composite for 3D printing containing waste copper solids

Guowei Ma, Junbo Sun, Li Wang, Farhad Aslani, Miao Liu



PII: S0958-9465(18)30541-9

DOI: [10.1016/j.cemconcomp.2018.09.005](https://doi.org/10.1016/j.cemconcomp.2018.09.005)

Reference: CECO 3135

To appear in: *Cement and Concrete Composites*

Received Date: 24 May 2018

Revised Date: 7 September 2018

Accepted Date: 10 September 2018

Please cite this article as: G. Ma, J. Sun, L. Wang, F. Aslani, M. Liu, Electromagnetic and microwave absorbing properties of cementitious composite for 3D printing containing waste copper solids, *Cement and Concrete Composites* (2018), doi: <https://doi.org/10.1016/j.cemconcomp.2018.09.005>.

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.

1 **Title:** Electromagnetic and microwave absorbing properties of cementitious  
2 composite for 3D printing containing waste copper solids

3 **Authors:** Guowei Ma <sup>a,b</sup>, Junbo Sun <sup>b</sup>, Li Wang <sup>a\*</sup>, Farhad Aslani<sup>b</sup>, Miao Liu<sup>b</sup>

4 **Affiliations:**

5 <sup>a</sup> *School of Civil and Transportation Engineering, Hebei University of Technology, 5340*

6 *Xiping Road, Beichen District, Tianjin, 300401, China*

7 <sup>b</sup> *School of Civil, Environmental and Mining Engineering, The University of Western*

8 *Australia, Crawley, WA 6009, Australia*

9

10 **\*Corresponding author:**

11 Li Wang Email: wangl1@126.com

12 Hebei University of Technology, Tianjin, China

13

Download English Version:

<https://daneshyari.com/en/article/11032809>

Download Persian Version:

<https://daneshyari.com/article/11032809>

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