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Editorial

Editorial: The August 2022 cover paper

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The cover for the August 2022 issues of the Journal of Materials Science comes from the paper by Mishra et al, which appeared in issue #23 from June 2022 [1]. The paper was handled by our Deputy Editor-in-Chief Grant Norton since one of the authors, Avinash Dongare, was an Editor of the journal. The paper is part of a special issue on Computational Materials Design with Guest Editors Ghanshyam Pilania, Bryan R. Goldsmith, Mina Yoon, and Avinash M. Dongare. All of the papers in any Special Issue are handled by the Guest Editors but final decisions are made by the Coordinating Editor who works closely with the Guest Editors on all the papers except, of course, when the paper is co-authored by a Guest Editor! This special issue builds on the growing impact of computer modelling in Materials Science with other papers on a wide range of topics including dislocations [2] and grain boundaries [3].

Effective July 1, Avinash Dongare has stepped down as a regular Editor of the journal and has been succeeded by Ghanshyam Pilania.

The cover figure illustrates the potential for linking this type of modeling to EBSD and TEM texture studies. Indeed, TEM has revealed FCC and HCP grains (and even twinned FCC grains) existing in heavily deformed Ta [4], which is another reason for this writers interest in the selected paper.

As is the case for all papers published in JMS (OA or not) this paper has color throughout—both in the hard copy and the pdf, which is well used in the various data plots, including that shown on the cover. It does also have a SharedIt link like all articles in JMS (https://rdcu.be/cRyQM) so it can be widely shared with readers; all papers published in JMS are free-to-read using the SharedIt link from the moment they appear online with their permanent DOI. The paper is 20 published pages long; in JMS we do prefer complete archival papers. Supplementary data, which extends several points of discussion, is also freely available on the publisher's site.

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