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Feb. 22, 2005

Dear Principal Hitchcock,

**Re: Allegation of Misconduct in Academic Research-
Paper published by Huang et al, J. Appl. Phys., 96 (2004) 6213-6219**

I am writing this letter in accordance with the Article 17 of the Collective Agreement.

I am referring to the recent paper by W. D. Huang, B.J. Yang and R.W. Smith which is published in the Journal of Applied Physics, Vol. 96 (2004) 6213-6219. A copy of this paper is attached. The work appears to be sponsored by the Canadian Space Agency.

It can be seen from the highlighted sections that major parts of this paper including results presented in Table 1, Table 2, Table 3, Table 4, Fig. 1 (a-c), Fig.2, Fig.3, Equations 1 to 7 and a substantial number of paragraphs are all directly copied from another paper published by the same authors in another journal (Ann. N.Y Acad. Sci., 1027: 110-128(2004)) (attached). I believe this represents a serious misconduct in academic research particularly when it is clear that the work has been sponsored by an external-funding agency.

It is also noted that the diagrams shown in Figures 2 and 3 in the first paper (Journal of Applied Physics Vol.96 (2004) 6213-6219), and Figures 10 and 11 in the second paper (Ann. N.Y Acad. Sci., 1027: 110-128(2004)) are lifted from Jean-Pierre Praizey's work (Benefits of Microgravity for Measuring Thermotransport Coefficients in Liquid Metallic Alloys, Int. J. Heat and Mass Transfer, Vol. 32, No.12, P. 2385-2401 (1989)) without permission and acknowledgement. Haung et al. give the impression that they have constructed these diagrams by modifying Hart's original analysis. But in fact the authors have simply lifted the diagrams and the relevant parts and equations directly from the Praizey's paper!

It should be noted, of course, that this is not an isolated case. Apparently, there are other similar instances of serious misconduct in recent years involving one or more individuals from the same research group. Below are three selected examples:

Example 1: R.W. Smith and W.B.F. Mackay, Canadian Metallurgical Quarterly, Vol. 42, No. 3, pp333-342, 2003

This paper, although published in 2003, is in fact derived from work that was conducted by A. DeMonte long time ago. Despite major contributions of Mr. DeMonte in this work, there is no mention of DeMonte as a co-author in the paper. Smith and Mackay have then gone on to publish the same paper in another Journal (Journal of Materials Processing Technology 153-154 (2004) 589-595). This time they have added

the name of Mr. DeMonte as a co-author. By looking at the names of the authors in these two papers, one initially gets the impression that they must be different but in fact the second paper is directly copied from the first. Even the references are the same. There is only one striking difference. In the abstract of the second paper, "Sir Thomas Hadfield" has been changed to "Robert Hadfield"!

Example II: J. Shi, M.A. Savas, and R.W. Smith, Journal of Materials Processing Technology, 133 (2003) 297-303

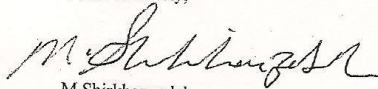
The authors describe research that is derived from work conducted by J. Shi almost 10-15 years ago. The paper, however, gives the impression that the research was conducted only very recently with M.A. Savas as a visiting professor at Queen's. The authors have then gone on again to publish the same paper in yet another journal (International Journal of Cast Metals Research, Vol. 16, Nos. 1-3 (2003), P. 215). This time they have added the name of another individual (B.J. Yang) who appears to have made no contribution at all to any of the two papers.

Example III: B.Y. Yang, R.W. Smith, M. Sahoo, and M. Sadayappan, AFS Transaction 02-109 (1-7)

A copy of this paper is attached. The authors have directly copied this paper from another paper (attached). The sections that have been copied are highlighted. The most striking difference between the two papers is that M. Shkuka has been removed as a co-author in the second paper.

In my view, the above examples together demonstrate a pattern of behavior in recent years that, if not stopped immediately, is likely to continue into the future.

Yours Sincerely,



M. Shirkhazadeh

Associate Professor

Department of Mechanical Engineering

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