

Miller Thermal, Inc.

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News Release

FOR IMMEDIATE RELEASE:

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MILLER THERMAL SCIENTIST COAUTHORS PAPER FOR JOURNAL OF THERMAL SPRAY TECHNOLOGY

APPLETON, Wis. -- A Miller Thermal staff member has coauthored a technical paper for the Journal of Thermal Spray Technology.

Daryl E. Crawmer, Chief Scientist, coauthored "High-Velocity Oxyfuel Thermal Spray Coatings for Biomedical Applications" with J.D. Haman, A.A. Boulware, and L.C. Lucas of the University of Alabama at Birmingham. Haman, Boulware and Lucas are with the Department of Biomedical Engineering at the university.

"Plasma spraying is used to produce most commercially available bioceramic coatings for dental implants; however, these coatings still contain some inadequacies," the abstract says. "Two types of coatings produced by the high-velocity oxyfuel (HVOF) combustion spray process using commercially available hydroxyapatite (HA) and fluorapatite (FA) powders sprayed onto titanium were characterized to determine whether this relatively new coating process can be applied to bioceramic coatings...these results indicate that with further optimization the HVOF thermal spray process may offer another method for producing bioceramic

coatings."

The article is on page 179 of the journal, which is published by ASM International.

Miller Thermal, Inc., an Illinois Tool Works Company, is a full line manufacturer of thermal spray products and includes the Alloys International Division of Baytown, Texas. For free reprints of the article, contact the Miller Thermal Sales Department at 414-734-9292.

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