

Poster Program

POSTER GROUP A

PROCESSING

0002 *Iran*

The Effect of Warm Rolling on the Properties of W-20%Cu Composite

Hooyar Attar, Nader Parvin, Mitra Iranmanesh, AmirKabir University of Tehran

0074 *U.S.A.*

The Effect of MIM Part Diameter on the Rate of Supercritical Carbon Dioxide Debinding

Rolf Schlake, Kathy Pearl, Al Kaziunas, Applied Separations, Inc.

0075 *U.S.A.*

The Evaluation of Supercritical CO₂ Debinding of MIM Parts with Co-Solvent Addition

Rolf Schlake, Kathy Pearl, Al Kaziunas, Applied Separations, Inc.

0154 *Korea*

Effect of Cobalt on the Carbothermal Reduction of Titanium Dioxide Powder

Gil-Geun Lee, Pukyong National University & Gook-Hyun Ha, Byoung-Keek Kim, Korea Institute of Machinery and Materials

0102 *Korea*

Examination of Grinding Kinetics for Various Experimental Conditions by Stirred-Ball Mill

Heekyu Choi, Pusan National University ILIC

0003 *Iran*

Influence of Sintering Conditions on Microstructure Changes of Ceramic Raschig Ring

Amin Salem, Mehdi Salehi, Sahand University of Technology

0167 *Serbia*

Obtaining High Content of SiO₂ from Quartz Pebble by Combining Procedure of Mineral Raw Materials Processing

Vladan Milosevic, Ljubisa Andric, Milan Petrov, Robert Jogric, Institute for Technology of Nuclear and Other Mineral Raw Materials

0174 *U.S.A. & Brazil*

Influence of the HVOF Deposition Process Using Cr₃C₂-NiCr and WC-CoCr Powders

George E. Totten, Portland State University, R. Nucci, Ogramac, E. A. B. Arnoni, Petrobras & A. Lombardi Neto, L. C. Casteletti, Escola de Engenharia de Sao Carlos-USP

0176 *U.S.A. & Brazil*

Deposition of Stellite Superalloy Powder on 7475 Aluminum Alloy to Enhance Its Wear and Corrosion Resistances

George E. Totten, Portland State University & L. C. Casteletti, A. Lombardi Neto, D. T. de Macedo, L. de B. Cruvinel, Escola de Engenharia de Sao Carlos-USP

0184 *India*

Sintering Characteristics of 2712 and 6711 Al Alloys

C. Padmavathi, Anish Upadhyaya, Indian Institute of Technology Kanpur

POSTER GROUP B

MATERIALS/PROPERTIES

0055 *Romania*

Soft Magnetic Composites Used for the Iron Core of Electrical Machines

Vasile Iancu, Traian Canta, Dan-Cristian Popa, Lorand Szabo, University of Cluj-Napoca

0082 *Brazil*

Properties of AISI M3:2 High-Speed Steels Produced by Conventional Casting and Powder Metallurgy Techniques

Francisco Ambrozio Filho, Oscar Olimpico de Araujo Filho, Centro Universitario da FEI

International posters dealing with various aspects of PM and particulate materials technologies will be displayed daily starting on Monday morning. Authors will be available at their posters for protracted discussions on Tuesday 2:00–3:15 p.m. (14:00-15:15). Other days/times when individual authors are available may be posted at the discretion of the poster authors. Manuscripts submitted from poster authors will be published in the conference proceedings.

“Outstanding Poster” and “Poster of Merit” awards will be given by the Poster Program Committee for displays that best meet the established criteria. Award ribbons will be posted prior to the designated discussion period on Tuesday.

POSTER COMMITTEE

Nicholas T. Mares, Asbury Graphite Mills, Inc., Chairman

Christopher P. Adams, New England Impregnators

Iver Eric Anderson, FAPMI, Ames Laboratory, Iowa State University

Scott Davis, PMG Indiana Corporation
Cynthia Freeby, Kobelco Metal Powder of America, Inc.

Olle Grinder, PM Technology AB (Sweden)

Steven Johnson, The Pennsylvania State University – DuBois

Deepak S. Madan, F.W. Winter, Inc. & Co.

Prasan K. Samal, North American Höganäs, Inc.

John F. Sweet, PMT, FMS Corporation

0009 *India*

Enhancement in the Properties of Silver-Graphite Electrical Contact Material by Lithium Addition

Prakash B. Joshi, Bharati R. Rehani, Arun R. Pratap, M.S. University of Baroda

0132 *Korea*

Characterization of the Experimental Fe-Base MA ODS Alloys

Jinsung Jang, Yin Zhong Shen, Korea Atomic Energy Research Institute & Chang Soo Bae, Do Hyang Kim, Yonsei University

0119 *Korea*

Synthesis of Nanosized Silver Particles for Silver Paste in Electrode

KeunJu Park, SungHyun Park, DongSeok Seo, JongKook Lee, Chosun University

0120 *Korea*

Conductivity Enhancement of Silver Paste Utilizing Nanoparticles and Lead-Free Frit

SungHuyn Park, KeunJu Park, DongSeok Seo, JongKook Lee, Chosun University

0017 *Japan*

Characteristics of Rapidly Solidified Mg-Zn-Y Flaky Powders Produced by a Newly Developed Manufacturing System

Motonori Nishida, Hitoshi Ookouchi, Seichi Matsumoto, Fukuda Metal Foil & Powder Co., Ltd. & Yoshihito Kawamura, Kumamoto University

0051 *Korea*

Effect of Ceramic Particle Size on Mechanical Behavior of Al Composites

Youngik Seo, Dae Hoon Shin, Kyung H. Min, Young Do Kim, Hanyang University, Si-Young Chang, Hankuk Aviation University & Kyuhwan Lee, Korea Institute of Science and Technology

0133 *Russia*

Reactive Detonation Spraying of Metal-Ceramic Composites

Dina V. Dudina, Oleg I. Lomovsky, Michail A. Korchagin, Ivan A. Rozhkov, Institute of Solid State Chemistry and Mechanochemistry SB RAS & Vladimir I. Yakovlev, Andrey A. Gladkikh, Alexander V. Es'kov, Altai State Technical University

0151 *Russia & U.S.A.*

Kinetics of the Decomposition of TiH_2 Depending on the Compound Density

Alexander I. Litvintsev, Alspors Technology Ltd. & Alexey V. Swerdlin, Bradley University

0052 *Korea*

Fabrication of Porous Materials by PM

Young Do Kim, Young Jung Lee, SeungHo Lee, Se-Hoon Kim, Kyung Ho Min, Hanyang University

0019 *U.S.A. & Switzerland*

Natural and Synthetic Graphite Powders for PM: Comparison of Graphite Properties and Effect on Final Parts

Giovanni Juri, Simone Zuercher, Nicolas Probst, Marcello Coluccia, Timcal Ltd.

0036 *India*

Corrosion Behaviour of Zirconium-Based Multiconstituent Thin Films

K. BabaPai, Jyoti Menghani, M.S. University of Baroda, Manohar Totlani, ASM International, Nitin Jalgaonkar, Multi Arc India Ltd. & Parag Ahmedabadi, BARC

0172 *U.S.A. & Brazil*

Effect of HVOF Deposition Process in Powders of Tungsten Carbide with Different Binders

George E. Totten, Portland State University, E. A. B. Arnoni, Petrobras, R. Nucci, Orgramac & A. Lombardi Neto, L. C. Casteletti, Escola de Engenharia de São Carlos-USP

0173 *U.S.A. & Brazil*

Zirconia-Yttria Nanopowder Infiltration in Alumina Ceramics Parts

George E. Totten, Portland State University, L. C. Casteletti, A. Lombardi Neto, C. A. R. Gouvéa, Escola de Engenharia de São Carlos-USP & A. Itman. Filho, Departamento de Metalurgia do CEFET-ES

0166 *Serbia*

Comparative Data Analysis of Dry Micronizing Mica Milling in Vibro and Ultra-Centrifugal Mill

Ljubisa Andric, Vladan Milosevic, Milan Petrov, Ivana Ilic, Institute for Technology of Nuclear and Other Mineral Raw Materials

0185 *Russia*

Study of the Effect of Powder Size on Low-Cycle Fatigue Resistance of Superalloys

Genrikh S. Garibov, A.V. Vostrikov, All-Russia Institute of Light Alloys (VILS) Stock Co.

POSTER GROUP 

TESTING

0026 *Iran*

Investigation on an Event Periodicity in the Electrochemical Signals via Wavelet Transform

Mehdi Khodayari, Saeed Reza Allahkaram, Tehran University

0175 *U.S.A. & Brazil*

Influence of Grain Size of Alumina Powder on the Infiltration of a Nanometric Dye

George E. Totten, Portland State University, C. A. R. Gouvéa, A. Lombardi Neto, L. C. Casteletti, Escola de Engenharia de São Carlos-USP & A. Itman. Filho, Departamento de Metalurgia do CEFET-ES