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Session 72**HM Diamond Tools****SESSION CHAIRS**

Dr Steven Moseley (Hilti Corporation, Liechtenstein)
Dipl.-Ing. Manuel Ferreira (TU Dortmund, Germany)

ORAL PRESENTATIONS

Effect Of The Processing Conditions In The Diamond Stability During The Production Of Diamond Impregnated Tools

Gonzalez, N; Luno-Bilbao, C; Peña, G; Ituriza, I (Ceit_IK4, Spain)

Influence Of The Distance Between Single Diamonds On The Scratching Behavior On Concrete

Tillmann, W (Institute of Materials Engineering, Germany); Biemann, D (Institute of Machining Technology, Germany); Müller, C (Statistics with Application in Engineering Sciences, Germany); Alkas Yonan, S; Ferreira, M; Wojarski, L; Becke, M (Institute of Materials Engineering, Germany); Kansteiner, M (Institute of Machining Technology, Germany)

Analysis Of The Wear Behaviour Of Diamond Impregnated Tools Used For The Core Drilling Of Concrete With Statistical Lifetime Prediction

Kansteiner, M (Institute of Machining Technology TU Dortmund, Germany); Biemann, D (Institute of Machining Technology TU Dortmund, Germany); Malevich, N (Statistics with Applications in the Field of Engineering Sciences TU Dortmund, Germany); Horn, M (Statistics with Applications in the Field of Engineering Sciences TU Dortmund, Germany); Müller, C (Statistics with Applications in the Field of Engineering Sciences TU Dortmund, Germany); Ferreira, M (Institute of Materials Engineering TU Dortmund, Germany); Tillmann, W (Institute of Materials Engineering TU Dortmund, Germany)

Influence Of Microstructure And Composition On The Impact Properties Of Thermally Stable Diamond Composites

Li, X (CSIRO Energy, Australia); Harbers, C (CSIRO Energy, Australia); Boland, J (CSIRO Energy, Australia)

POSTERS

Development And Characterization Of Fe/Cu-based Functionally Graded Metal-matrix Systems For The Use As Thermal Conductive Diamond Tools

Tillmann, W (TU-Dortmund, Germany); Pinho Ferreira, M (TU-Dortmund, Germany); Göllner, S (TU-Dortmund, Germany)

Cutting Techniques Of PCD And PcBN Compacts

Zhang, T (Xiamen Tungsten Co. Ltd., China); Nie, H (Xiamen Tungsten Co. Ltd., China)

Session 73**Metal Matrix Composites (MMC)****SESSION CHAIRS**

Dr Yoko Pittini-Yamada (Meyer Sintermetall AG, Switzerland)
Prof Efrain Carreño-Morelli (University of Applied Sciences and Arts Western Switzerland, Switzerland)

ORAL PRESENTATIONS

Reusable And Lightly Loaded Thermal Interface For Modular Satellites Based On Powder Metallurgically Processed Copper/CNT Composite

Hutsch, T (Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM Branch Lab Dresden, Germany); Riesselmann, J (Technische Universität Berlin Institute for Aeronautics and Astronautics, Germany); Walther, G; Weißgärber, T; Kieback, B (Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM Branch Lab Dresden, Germany)

Development Of Dry Self-lubricating Sintered Composites Containing HBN And Graphite Granulated With PVA

Mônego, G; Beltrame Demer Da Silva, G; Hammes, G; Daniel Biasoli De Mello, J; Binder, C; Nelmo Klein, A (LabMat - Material Laboratory, Brazil)

An Investigation On The Effect Of Graphene Nanoplatelets On The Compaction Behaviour Of Pure Copper Powders

Sabooni, A; Pavese, M; Fino, P (Politecnico di Torino, Italy)

The Characterization Of The Structure Of Composites Via Digital Image Analysis Method

Gacsi, Z; Bubonyi, T; Petho, D; Barkoczy, P (University of Miskolc, Hungary)

