

SMT 24 September 7-9, 2010 Dresden, Germany
Poster list

Category	No	Authors	Company	Title	Country
Thermal Spray	A1	A. Sova Igor Smurov	DIPI Laboratory	Deposition of composite coatings by powder injection in subsonic and supersonic zones of Cold Spray nozzle	France
	A2	Volf Leshchynsky Igor Smurov, Justyna Wengland, Aleksy Sova	DIPI Laboratory	Analysis of particle bulk and surface deformation under Cold Spray process	France
	A3	Grzegorz Moskal	Silesian Univ. of Technology	Microstructure characterization of RE ₂ Zr ₂ O ₇ type thermal barrier coatings	Poland
	A4	Grzegorz Moskal	Silesian Univ. of Technology	Thermal diffusivity and conductivity of RE ₂ Zr ₂ O ₇ type thermal barrier coatings	Poland
	A5	Jörg Spatzier	Fraunhofer IWS	Comparison of rolling contact fatigue of HVOF-sprayed Cr ₃ C ₂ -NiCr hardmetal coatings	Germany
	A6	Tim Börner	Fraunhofer IWS	Systematic analysis of the abrasion resistance of thermally sprayed ceramic coatings of the Al ₂ O ₃ -TiO ₂ -Cr ₂ O ₃ system	Germany
Processing	A7	Zohair Sarajan Amir Safaei, Hamid Mehdikhani	Islamic Azad University-Yazd Branch	Galvanic Electroplating of Titanium on carbon steel by Ti-6Al-4V machining chips	Iran
	A8	Zohair Sarajan Esmail Khoshandam	Islamic Azad University-Yazd Branch	The Effective Parameters on Titanium Cladding on Carbon steel by Hot rolling	Iran
	A9	Zohair Sarajan Amir Safaei, Hamid Mehdikhani	Islamic Azad University-Yazd Branch	Titanium/SiC composite cladding on carbon steel by GTAW	Iran
Laser processing	A10	I. Furar V. Ocelik, J. Th. M. De Hosson	University of Groningen	Residual stresses in laser clad layer measured at micron scale	Netherlands
	A11	I. Hemmati M. Dutka, V. Ocelik, I. Furar, J. Th. M. De Hosson	University of Groningen	the application of laser cladding coatings in automotive industry	Netherlands
	A12	Jana Berger Andrés-Fabián Lasagni, Marzellus große Holthaus, Kurosch Rezwan	Fraunhofer IWS	Surface modification by laser Interference patterning of hydroxyapatite surfaces	Germany
	A13	Heidi Perez-Hernandes Andrés-Fabián Lasagni, Tina Paumer, T. Pompe	Fraunhofer IWS	Laser assisted fabrication of micro-patterned polymer surfaces for bio-adhesive microarrays	Germany
	A14	Alexander V. Mazhukin	Keldysh Institute of Applied Mathematics	Properties of a phonon and electron fermi gas at arbitrary temperature	Russia
	A15	Aleksander Iwaniak Adrian Moscicki, Grzegorz Moskal	Silesian Univ. of Technology	Tests on thermally sprayed and laser remelted structure of the Fe-Cr-Mo-W-C-B coating	Poland
	A16	Matthias Bieda Andrés-Fabián Lasagni	Fraunhofer IWS	Fabricating periodic hierarchical microstructures on metals by means of direct laser interference patterning	Germany
Characterization	A17	Duygu Asureciler Hüsnü Atakül, Müge Akay	Istanbul Technical University Chemical and Metallurgical Faculty	SiC films deposited on styrene acrylonitrile and general purpose polystyrene surfaces by magnetron sputtering	Turkey
	A18	Cornelia Bellmann A. Calvimontes, A. Caspari, M. Mauermann, U. Eschenhagen	Leibniz-Institut für Polymerforschung Dresden e.V. (IPF) Abteilung Polymergrenzflächen	Combination of three different measuring techniques for characterisation of surface modifications: electrokinetics, wetting and topography	Germany
	A19	A. Caspari Cornelia Bellmann	Leibniz-Institut für Polymerforschung Dresden e.V. (IPF) Abteilung Polymergrenzflächen	Streaming potential measurements – a possibility for characterising changes of surface properties as result of modification processes	Germany
	A20	Rico Dobrenko	Stresstech GmbH	Prism – hole-drilling and ESPI (electronic speckle pattern interferometry) for residual stress measurement	Germany
	A21	Michael Panzner Karsten Kurasch, Adam Rosowski, Garik Torosyan, Wolfram Köhler, Andrea Schmid, Udo Klitzbach, Eckhard Beyer	Fraunhofer IWS	Investigations of art work materials by a fiber-coupled THz TDS	Germany
	A22	J. Vincenc Obona V. Ocelik, J. Th. M. De Hosson, V. Mitko, J.Z.P. Skolski, G.R.B.E. Römer, A.j. Huis in 't Veld	University of Groningen	Stainless steel surface modified by ultra short laser pulses and studied by scanning electron and atomic force microscopy	Netherlands
PVD / CVD	A23	Thomas Abendroth Holger Althues, Beate Leupolt, Stefan Kaskel	Fraunhofer IWS	Low temperature deposition of photoactive titanium dioxide using atmospheric pressure CVD	Germany
	A24	Sahin Yakut k. Ulutas, D. Deger	Istanbul University	Dielectric properties of Sb ₂ Te ₃ thin films	Turkey