

## References

1. Pawlak R, Korzeniewska E, Frydrysiak M, et al. Using Vacuum Deposition Technology for the Manufacturing of Electro-Conductive Layers on the Surface of Textiles. *Fibres & Textiles in Eastern Europe* 2012; 20, 2(91): 68-72.
2. Wei Q, Yu L, Wu N, Hong S. Preparation and characterization of copper nanocomposite textiles. *J. of Industrial Textiles* 2008; 37: 275.
3. Jiang SX, Qin WF, Guo RH, Zhang L. Surface functionalization of nanostructured silver-coated polyester fabric by magnetron sputtering. *Surface & Coating Technology* 2010; 204: 3662-3667.
4. Bula K, Koprowska J, Janukiewicz J. Application of Cathode Sputtering for Obtaining Ultra-thin Metallic Coatings on Textile Products. *Fibres & Textiles in Eastern Europe* 2006; 14, 5(59): 75 – 79.
5. Koprowska J, Ziaja J, Janukiewicz J. Plasma metallization textiles as shields for electromagnetic fields - EMC Europe. In: *12th International Symposium on Electromagnetic Compatibility 2008*. 10.1109/EMC EUROPE.2008.4786933; 2008, pp. 1 – 4.
6. Ziaja J, Koprowska J, Janukiewicz J. Using Plasma Metallisation for manufacture of Textile Screens Against Electromagnetic Fields. *Fibres & Textiles in Eastern Europe* 2008; 16, 5(70): 64-66.
7. Ziaja J, Ozimek M, Koprowska J. Metallic and oxide Zn and Ti layers on textile as shields for electromagnetic fields. In: *EMC Europe 2009, Workshop*. Athens, Greece, 11-12 June 2009, pp. 30-33.
8. Reszka K, Dobruchowska E, Koprowska J, Wiśniewski B. Surface Modification of Polypropylene Nonwoven with Composite Metallic Layers. *Journal of KONES Powertrain and Transport* 2012; 19/4: 539-547.
9. Li T, Huang ZY, Xi ZC, Lacour SP, Wagner S, Suo Z. Delocalizing strain in a thin metal film on a polymer substrate. *Mech. Mater.* 2005; 37: 261-273.
10. Alaca BE, Saif MTA, Sehitoglu H. On the Interface Debond at the Edge of a Thin Film on a Thick Substrate. *Acta Mater.* 2002; 50: 1197-1209.
11. Lacour SP, Wagner S, Suo ZY. Stretchable gold conductors on elastomeric substrates. *Appl. Phys. Lett.* 2003; 82: 2404-2406.
12. Shim J-H, Oh C-S, Lee B-J, Lee DN. Thermodynamic assessment of the Cu-Sn system. *Metallkde.* 1996; 87: 205-212.
13. EN 1149-1 Electrostatic properties. Surface resistivity (test methods and requirements).
14. Ramírez A, Zehe A. Mole fraction modification of binary alloys during thermal evaporation. *Superficies y Vacío* 2000; 11: 32-35.
15. Więckowski T, Janukiewicz J. Methods for Evaluating the Shielding Effectiveness of Textiles. *Fibres & Textiles in Eastern Europe* 2006; 5(59): 18-22.