

7. References:

1. L. Fedrizzi, S. Rossi, F. Bellei, F. Deflorian, Wear–corrosion mechanism of hard chromium coatings, *Wear* 253 (2002) 1173–1181.
2. W.H Dennis, *Metallurgy of non ferrous metals*, London, Sir Isaac pitman & sons ltd, 2002.
3. A.A. Boudi, M.S.J. Hashmib, B.S. Yilbas “HVOF coating of Inconel 625 onto stainless and carbon steel surfaces: corrosion and bond testing” *Journal of Materials Processing Technology* 155–156 (2004) 2051–2055.
4. Junius David Edwards, *Aluminum and its production*, assistant director of research, aluminum company of America, 1999.
5. J. Voyer, B.R. Marple, Sliding wear behavior of high velocity oxy-fuel and high power plasma spray-processed tungsten carbide-based cermets coatings, *Wear* 225–229 (1999) 135–145.
6. Z. N. Farhat, Y. Ding, A. T. Alpas and D. O. Northwood, The Processing and Testing of New and Advanced Materials for Wear Resistant Surface Coatings, *Journal of Materials Processing Technology* 63 (1997) 859-864.
7. Y. Xie, H.M. Hawthorne, Wear mechanism of plasma-sprayed alumina coating in sliding contacts with harder asperities, *Wear* 225–229 (1999) 90–103.
8. B. Torres, M.A. Garrido, A. Rico, P. Rodrigo, M. Campo, J. Rams, Wear behavior of thermal spray Al/Sic coatings, *Wear* 268 (2010) 828–836.
9. Binshi Xua, Zixin Zhua, Shining Maa, and Wei Zhang, Weimin Liu, Sliding wear behavior of Fe–Al and Fe–Al/WC coatings prepared by high velocity arc spraying, *Wear* 257 (2004) 1089–1095.
10. J. Voyer, B.R. Marple, Sliding wear behavior of high velocity oxy-fuel and high power plasma spray-processed tungsten carbide-based cermets coatings, National Research Council Canada.
11. E. Fernandez, M. Cadenas, R. Gonzalez, C. Novas, R. Fernandez, J. de Damborenea, Wear behaviour of laser clad NiCrBSi coating, *Wear* 259 (2005) 870–875.

12. R. Gonzalez, M. Cadenas, R. Fernandez, J.L. Cortizo, E. Rodriguez, Wear behavior of flame sprayed NiCrBSi coating remelted by flame or by laser, *Wear* 262 (2007) 301–307.
13. Y. Iwai a, T. Honda, H. Yamadaa, T. Matsubara, M. Larsson, S. Hogmarkd, Evaluation of wear resistance of thin hard coatings by a new solid particle impact test, *Wear* 251 (2001) 861–867.
14. K.S. Tan, J.A. Wharton, R.J.K. Wood, Solid particle erosion–corrosion behaviour of a novel HVOF nickel aluminum bronze coating for marine applications—correlation between mass loss and electrochemical measurements, *Wear* 258 (2005) 629–640.
15. I. Gedzevicius, A.V. Valiulis, Analysis of wire arc spraying process variables on coatings properties, *Journal of Materials Processing Technology* 175 (2006) 206–211.
16. V.E. Buchanan, D.G. McCartney, P.H. Shipway, A comparison of the abrasive wear behaviour of iron-chromium based hard faced coatings deposited by SMAW and electric arc spraying, *Wear* 264 (2008) 542–549.
17. Ozkan Sarikaya, Selahaddin Anik, Erdal Celik, S. Cem Okumus, Salim Aslanlar, Wear behaviour of plasma-sprayed AlSi/B₄C composite coatings, Department of Mechanical Engineering, Esentepe Campus, Sakarya, Turkey, 27 September 2006.
18. M. Grujicic, C.L. Zhao, W.S. De Rosset, D. Helfritch, Adiabatic shear instability based mechanism for particles/substrate bonding in the cold-gas dynamic-spray process, Department of Mechanical Engineering, Clemson University, Clemson, USA, 7 June 2004.
19. C. Zhang, X.P. Guo, G. Zhang a, H.L. Liao, C. Coddet, Effect of standoff distance on coating deposition characteristics in cold spraying, *Jiao tong University, Materials and Design* 29 (2008) 297–304.
20. R. L. Deuis, C. Subramanian & J. M. Yellupb, Dry sliding wear of aluminum composites-a review, *Composites Science and Technology* 57 (1997) 415-435.
21. Alexey V. Byeli, Marat A. Belotserkovskii, Vladimir A. Kukarekob, Microstructure and wear resistance of thermal sprayed steel coatings ion beam implanted with nitrogen, Joint Institute of Mechanical Engineering, Belarus.
22. V. Raj, M. Mubarak Ali, Formation of ceramic alumina nanocomposite coatings on aluminum for enhanced corrosion resistance, Department of Chemistry, Periyar University, Salem 636 011, India.

23. Giovanni Borelli, Valeria Cannillo, Luca Lusvarghi, Tiziano Manfredini, Wear behavior of thermally sprayed ceramic oxide coatings, *Wear* 261 (2006) 1298–1315.
24. H.McI Clark, H.M. Hawthorne, Y. Xie, Wear rates and specific energies of some ceramic, cermets and metallic coatings determined in the Coriolis erosion tester, *Wear* 233–235 (1999) 319–327.
25. Curran, J.A Clyne, The thermal conductivity of plasma electrolytic oxide coatings on aluminum and magnesium, *Surf. Coating Technology* 1999, 177–183.
26. H. Duan, C. Yan, F. Wang, Effect of electrolyte additives on performance of plasma electrolytic oxidation films formed on magnesium alloys, *Electrochemical Acta.* 52, 3785–3793.
27. Zhenbing Caia, Minhao Zhua, Huoming Shenb, Zhongrong Zhoua, Xuesong Jin, Torsion fretting wear behavior of 7075 aluminum alloy in various relative humidity environments, Southwest Jiao tong University, Chengdu 610031, China.
28. Yi Maozhonga, Huang Baiyun, He Jiawenb, Erosion wears behavior and model of abradable seal coating, *Wear* 252 (2002) 9–15.
29. Wear and Lubrication, Glossary of terms and definition in the field of Friction, (Tribology), Research Group on Wear of Engineering Materials, OECD, Paris, 1969.
30. Koji Kato, Wear in relation to friction — a review, *Wear* 241 (2000) 151–157.
31. A.P. Sannino, H.J. Rack, Dry sliding wear of discontinuously reinforced aluminum composites review and discussion, Materials Science and Engineering Program, Department of Mechanical Engineering, Clemson University, Clemson, SC 29634-0921 USA, *Wear* 189 (1995) 1-19.
32. M. Singh, D.P. Mondal, O.P. Modi, A.K. Jha, Two-body abrasive wear behaviour of aluminum alloy–sillimanite particle reinforced composite, *Wear* 253 (2002) 357–368.
33. Nizamettin Kahramana, Behcet Gulenc, Abrasive wear behavior of powder flame sprayed coatings on steel Substrates, *Materials and Design* 23 (2002) 721–725.
34. Satoh T, Koreeda N, Hayashi T, Nagai M., Fretting fatigue properties of turbine blade/disk joints, Technical Research and Development Institute, Japan Defense Agency Technical Report No. 6687, 1999.

35. Torres Y, Rodriguez S, Mateo A, Anglada M, and Llanes L., Fatigue behavior of powder metallurgy high-speed steels: fatigue limits prediction using a crack growth threshold-based approach, *Mater Sci. Engg. a Structure Mater* 2004;387–389:501–4.
36. J. Takeda, M. Niinomi, T. Akahori, Gunawarman, Effect of microstructure on fretting fatigue and sliding wear of highly workable titanium alloy (Ti–4.5Al–3V–2Mo–2Fe), Toyohashi, Japan 19 December 2003.
37. T. Kachele, Recent research results on predicting and preventing silt erosion, *Proceedings of the First International Conference on Silting Problems in Hydropower Plants*, October 1999, India, 1999.
38. Yucong Wang, Simon, Tung, Scuffing and wear behavior of aluminum piston skirt coatings against aluminum cylinder bore, *Wear* 225–229 (1999) 1100–1108.
39. Rahul Premachandran Nair, Drew Griffin, Nicholas X. Randall, The use of the pin-on-disk Tribology test method to study three unique industrial applications, *Wear* 267 (2009) 823–827.
40. Garcia-Prieto, M.D. Faulkner, J.R. Alcock, The influence of specimen misalignment on wear in conforming pin on disk tests, *Wear* 257 (2004) 157–166.
41. D.K. Dwivedi, T.S. Arjun, P. Thakur, H. Vaidya, K. Singh, Sliding wear and friction behavior of Al–18% Si–0.5% Mg alloy, *Journal of Materials Processing Technology* 152 (2004) 323–328.
42. Ozkan Sarikaya, Selahaddin Anik, Erdal Celik, and S. Cem Okumus, Salim Aslanlar, Wear behavior of plasma-sprayed AlSi/B₄C composite coatings, *Materials and Design* 28 (2007) 2177–2183.
43. Alpas, A. T. and Zhang, J., Effect of Sic particulate reinforcement on the dry sliding wear of aluminum silicon alloys (A356), *Wear*, 1992, 155, 83-104.
44. Alpas, A. T. and Zhang, J., Wear rate transitions in cast aluminum-silicon alloys reinforced with Sic particles, *Scripta Metall.*, 1992, 26, 505-509.
45. Singh, L. and Alpas, A. T., Elevated temperature wear of A16061 and A16061-20%Al, *Scripta Metall. Mate*, 1995, 32, 1099-1105.
46. Zhang, J. and Alpas, A. T., Delamination wears in ductile materials containing second phase particles, *Materials and Design* 28 (2007) 2177–2183.

47. Suzuki, High-resolution scanning electron microscopy of immunogold-labelled cells by the use of thin plasma coating of osmium, *Journal of Microscopy* 208 (3): 153–157.
48. Jeffree, C. E.; Read, Ambient- and Low-temperature scanning electron microscopy, *Electron Microscopy of Plant Cells*, London: Academic Press. pp.313–413. ISBN 0123188806.
49. Karnovsky, A formaldehyde-glutaraldehyde fixative of high osmolality for use in electron microscopy, *Journal of Cell Biology* 27: 137A.
50. Kiernan, Formaldehyde, formalin, Paraformaldehyde and glutaraldehyde: What they are and what they do, *Microscopy Today* 2000 (1): 8–12.
51. W. Maa, J. Lua, B. Wanga, Sliding friction and wear of Cu–graphite against 2024, *Wear* 266 (2009) 1072–1081.
52. Subramanian, On mechanical mixing during dry sliding of aluminium-12.3 wt% silicon alloy against copper. *Wear*, 1993, 161, 53-60.
53. A. Edrisy, T. Perry, Y.T. Chengb, A.T. Alpas, Wear of thermal spray deposited low carbon steel coatings on aluminum alloys, *Wear* 251 (2001) 1023–1033.
54. Masaaki Yamane, Tadeusz A. Stolarskia, Shogo Tobeb, Influence of counter material on friction and wear performance of PTFE–metal binary coatings, accepted 23 July 2007.
55. C. Subramanian, K.N. Stratford, T. P. Wilks and L. P. Ward, On the design of coating systems: Metallurgical and other considerations, *Tribology International* 41 (2008) 269–281.
56. Shunyan Tao, Zhijian Yin, Xiaming Zhou, Chuanxian Ding, Sliding wear characteristic of Al₂O₃ and Cr₂O₃ coatings against copper alloy under severe conditions, *Tribology international* 43 (2010), 69-75.
57. Anthony R. Vest, *Solid state chemistry and its application*, Wiley publication.
58. I.J Polmear, *Light alloys-Metallurgy of the light metals*, Edward Arnold, ISBN 0-340-49175-2.
59. Gwidon W. Stachowiak, Andrew W. Batchelor, *Engineering Tribology*, Butterworth Heinemann publications.