Self-adaptive and self-healing nanocomposite tribocoatings
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Part A: PVD tribocoating of this thesis


Part B: Metallurgical alloying coating


Part C: Contributions to other projects


Part D: Conferences

Conference, December 10-11, 2018, Noordwijkerhout, the Netherlands, \(\text{(Oral presentation)}\).


3. H.T. Cao, X.P. Dong, **Y.T. Pei.** Hard yet tough high vanadium high speed steel composite coating in-situ alloyed by atmospheric plasma arc. The 8th International Conference on Computational Methods and Experiments in Material and Contact Characterization, 21-23 June, 2017, Tallinn, Estonia, \(\text{(Invited talk)}\).

4. **H.T. Cao, J.Th.M. De Hosson, Y.T. Pei.** Effect of carbon concentration and argon flow rate on the microstructure and tribopereformance of WS\(_2\)/a-C sputtered coating. The 44th International conference on Metallurgical Coatings and Thins films (ICMCTF 2017, B3-2-4), 23-28 April, San Diego, California, USA, \(\text{(Oral presentation)}\).

5. **H.T. Cao, J.Th.M. De Hosson, Y.T. Pei.** Effect of argon flow rate on the tribological performance of the self-lubricating WS\(_2\)/a-C sputtered coating. The 15th International Conference on Reactive Sputter Deposition (RSD), Dec 1-2, 2016, Ghent, Belgium, \(\text{(Poster)}\).