

WYKAZ WAŻNIEJSZYCH PUBLIKACJI
INSTYTUTU - CENTRUM
NIEKONWENCJONALNYCH TECHNOLOGII HYDROSTRUMIENIOWYCH
za rok 2007

Książki

1. Borkowski P. (editor): *Unconventional HydroJetting Technologies*. WUPK. Koszalin, 2007.
2. Borkowski J., Borkowski P. (editors): *Water Jetting Technology. Research*. Machine Engineering. Wrocław, 2007.
3. Borkowski P. (editor): *Water Jetting Technology. Development*. Machine Engineering. Wrocław, 2007.

Wykłady seminaryjne (zagraniczne)

4. Borkowski P.: *Unconventional high-pressure water jetting technologies*. Nihon University, Department of Mechanical Engineering. Koriyama, Japan. 11.12.2007.

Artykuły

5. Borkowski P.: *Abrasive grains distribution in high-pressure abrasive-water jet used for surface treatment*. In. book: *Unconventional HydroJetting Technologies*. Koszalin, 2007, pp. 29-38.
6. Borkowski P.: *Modelling of the surface machining by high-pressure abrasive-water jet using genetic algorithm*. In. book: *Unconventional HydroJetting Technologies*. Koszalin, 2007, pp. 39-52.
7. Borkowski P., Prażmo J.: *Problem of abrasive grains disintegration and regeneration using high-pressure abrasive-water jet for surface treatment*. In. book: *Unconventional HydroJetting Technologies*. Koszalin, 2007, pp. 55-62.
8. Borkowski P., Chomka G.: *The problem of material treatment using cryogenic jet*. In. book: *Unconventional HydroJetting Technologies*. Koszalin, 2007, pp. 63-76.
9. Borkowski P., Chomka G.: *High-pressure water-ice jet creation and its application for surface treatment*. In. book: *Unconventional HydroJetting Technologies*. Koszalin, 2007, pp. 77-90.
10. Borkowski P.: *Basis of surface treatment with high-pressure hybrid (water-abrasive-ice CO₂) jet*. In. book: *Unconventional HydroJetting Technologies*. Koszalin, 2007, pp. 91- 102.
11. Borkowski J., Sutowska M., Prażmo J., Sobczak R.: *The quality of surface cut after high-pressure abrasive-water jetting*. In. book: *Unconventional HydroJetting Technologies*. Koszalin, 2007, pp. 117-128.
12. Borkowski J.: *Materials cutting with abrasive suspension jet using BorJet system*. In. book: *Unconventional HydroJetting Technologies*. Koszalin, 2007, pp. 129-136.
13. Borkowski P. Sobczak R.: *Problems of cutting with suspension abrasive water jet created according to MicroBorJet system*. In. book: *Unconventional HydroJetting Technologies*. Koszalin, 2007, pp. 137- 144.
14. Borkowski P., Borkowski J.: *Hydrojetting technology application for corrosion removing from ship's side surfaces*. In. book: *Unconventional HydroJetting Technologies*. Koszalin, 2007, pp. 147-164.
15. Borkowski P., Borkowski J., Woźniak D.: *Explosives washing-out technology from artillery ammunition*. In. book: *Unconventional HydroJetting Technologies*. Koszalin,

2007, pp. 183-192.

16. Borkowski P., Borkowski J.: *Application of high-pressure water jets to inaccessible pipeline cleaning*. In. book: Unconventional HydroJetting Technologies. Koszalin, 2007, pp. 193-202.
17. Borkowski J., Sokołowski A.: *High-pressure hydrojetting application in municipal solid waste utilization*. In. book: Unconventional HydroJetting Technologies. Koszalin, 2007, pp. 203-211.
18. Borkowski P.: *High-pressure abrasive-water jet surface treatment model based on genetic algorithm*. In. book: Water Jetting Technology. Research. Journal of Machine Engineering, Vol. 7, No. 3, 2007, pp. 5-13.
19. Borkowski P., Szpakowicz A.: *Modeling of high-pressure surface treatment using finite element modeling method*. In. book: Water Jetting Technology. Research. Journal of Machine Engineering, Vol. 7, No. 3, 2007, pp. 14-18.
20. Borkowski J., Sutowska M.: *The quality of surface cut after high-pressure abrasive-water cutting*. In. book: Water Jetting Technology. Research. Journal of Machine Engineering, Vol. 7, No. 3, 2007, pp. 19-28.
21. Borkowski P., Prażmo J.: *Abrasive grains disintegration and regeneration using high-pressure abrasive-water jet*. In. book: Water Jetting Technology. Research. Journal of Machine Engineering, Vol. 7, No. 3, 2007, pp. 29-37.
22. Borkowski P.: *The problem of surface treatment using high-pressure abrasive-water jet*. In. book: Water Jetting Technology. Research. Journal of Machine Engineering, Vol. 7, No. 3, 2007, pp. 38-49.
23. Borkowski P.: *Thermodynamical aspects of high-pressure water-ice jet used for surface treatment*. In. book: Water Jetting Technology. Research. Journal of Machine Engineering, Vol. 7, No. 3, 2007, pp. 50-57.
24. Borkowski P.: *Abrasive grains and dry-ice pellets distribution in high-pressure water jet used for surface treatment*. In. book: Water Jetting Technology. Research. Journal of Machine Engineering, Vol. 7, No. 3, 2007, pp. 58-67.
25. Borkowski P., Borkowski J.: *High-pressure hybrid jet structure*. In. book: Water Jetting Technology. Research. Journal of Machine Engineering, Vol. 7, No. 3, 2007, pp. 68-73.
26. Borkowski P.: *High-pressure hybrid jet properties in the aspect of surface treatment*. In. book: Water Jetting Technology. Research. Journal of Machine Engineering, Vol. 7, No. 3, 2007, pp. 74-82.
27. Borkowski J., Borkowski P., Budniak Z.: *Kinematics of the rotation water jet in the aspect of flat surface treatment effectiveness*. In. book: Water Jetting Technology. Research. Journal of Machine Engineering, Vol. 7, No. 3, 2007, pp. 83-92.
28. Borkowski J., Borkowski P., Sokołowski A.: *Thermal aspects of different structures and applications of high-pressure water jetting*. In. book: Water Jetting Technology. Research. Journal of Machine Engineering, Vol. 7, No. 3, 2007, pp. 93-101.
29. Borkowski J., Borkowski P., Sutowska M.: *Noise level research carried out for different water-jet treatment conditions*. In. book: Water Jetting Technology. Research. Journal of Machine Engineering, Vol. 7, No. 3, 2007, pp. 102-108.
30. Borkowski P.: *The concentric sprinkler optimization used for high-pressure abrasive-water jet surface cleaning*. In. book: Water Jetting Technology. Development. Journal of Machine Engineering, Vol. 7, No. 4, 2007, pp. 5-14.
31. Borkowski P.: *Mechanism of enamel decoating with high-pressure hybrid jet*. In. book: Water Jetting Technology. Development. Journal of Machine Engineering, Vol. 7, No. 4, 2007, pp. 15-20.
32. Borkowski J., Borkowski P.: *Optimization researches of abrasive suspension jet generated according to BorJet system*. In. book: Water Jetting Technology. Development.

- Journal of Machine Engineering, Vol. 7, No. 4, 2007, pp. 21-28.
33. Borkowski P., Sobczak R.: *Development of Micro-Bor-Jet system in aspect of suspension abrasive-water jets creation*. In. book: Water Jetting Technology. Development. Journal of Machine Engineering, Vol. 7, No. 4, 2007, pp. 29-38.
 34. Borkowski P., Borkowski J.: *Application of highpressure water jets to inaccessible pipeline cleaning*. In. book: Water Jetting Technology. Development. Journal of Machine Engineering, Vol. 7, No. 4, 2007, pp. 39-46.
 35. Borkowski J., Borkowski P.: *High-pressure water jet usage to abyssal well renovation*. In. book: Water Jetting Technology. Development. Journal of Machine Engineering, Vol. 7, No. 4, 2007, pp. 47-53.
 36. Borkowski P., Borkowski J.: *Water-jetting technology application for ship's side surface treatment*. In. book: Water Jetting Technology. Development. Journal of Machine Engineering, Vol. 7, No. 4, 2007, pp. 54-61.
 37. Borkowski P., Borkowski J., Woźniak D.: *Development of high explosives washing out technology from artillery ammunition*. In. book: Water Jetting Technology. Development. Journal of Machine Engineering, Vol. 7, No. 4, 2007, pp. 62-69.
 38. Borkowski J., Sokołowski A.: *Solid waste utilization with high-pressure hydrojetting technology*. In. book: Water Jetting Technology. Development. Journal of Machine Engineering, Vol. 7, No. 4, 2007, pp. 70-79.
 39. Borkowski P.: *Concrete cutting using hydrojetting technology*. In. book: Water Jetting Technology. Development. Journal of Machine Engineering, Vol. 7, No. 4, 2007, pp. 80-86.
 40. Borkowski J., Borkowski P., Szpakowicz A.: *Development of soft metals grinding aided with waterjet*. In. book: Water Jetting Technology. Development. Journal of Machine Engineering, Vol. 7, No. 4, 2007, pp. 87-93.
 41. Borkowski P.: *High-pressure abrasive-water jet cutting comparison with conventional method of material separation*. In. book: Water Jetting Technology. Development. Journal of Machine Engineering, Vol. 7, No. 4, 2007, pp. 94-98.
 42. Borkowski P., Borkowski J., Woźniak D., Szymanowski J., Maranda A., Kostrow R., Milewski E.: *The basis of explosives washing-out technology from heavy-artillery ammunition*. 2007 WJTA American Waterjet Conference and Expo. Houston, Texas. 2007, Paper No. 1-E.
 43. Cichosz P., Kowalski M., Borkowski P., Kołodziej M.: *Modeling of surface layers obtained by water-jet machining*. Vestnik Chmiel'nickogo Nacjonal'nogo Universitetu. 2007, t. 1 (94), No. 4, pp.140-144.
 44. Cichosz P., Kowalski M., Borkowski P.: *Modelowanie warstwy wierzchniej powierzchni po obróbce strumieniowo-ściernej kulkami szklanymi*. XXX Naukowa Szkoła Obróbki Ściernej. Rzeszów, 2007, s. 265-270.
 45. Borkowski J., Sutowska M.: *Wpływ warunków procesu cięcia wysokociśnieniową strugą wodno-ścierną na parametry SGP*. Archiwum Technologii Maszyn i Automatyzacji. Vol. 27, 2007, nr 2, s. 43-51.
 46. Borkowski P., Chomka G.: *Efektywność usuwania powłok lakierniczych wysokociśnieniową strugą wodno-lodową*. Archiwum Technologii Maszyn i Automatyzacji. Vol. 27, 2007, nr 2, s. 53-62.