

Lista publikacji

- październik 2011

I. Prace oryginalne (rozdziały w książkach zbiorowych, artykuły w czasopismach):

1. **Malinowski P.**, Wandowski T., Ostachowicz W., 2011, ***Damage detection potential of a triangular piezoelectric configuration***, *Mechanical Systems and Signal Processing* 25: 2722-2732.
2. Wandowski T., **Malinowski P.**, Ostachowicz W., 2011, ***Damage detection with concentrated configurations of piezoelectric transducers***, *Smart Materials and Structures*, 20: 14 s.
3. Deraemaeker A., Preumont A., Reynders E., De Roeck G., Kullaa J., Lämsä V., Worden K., Manson G., Barthorpe R., Papatheou E., Kudela P., **Malinowski P.**, Ostachowicz W., Wandowski T., 2010, ***Vibration-based structural health monitoring using large sensor networks***, *Smart Structures & Systems* 6(3): 335-347.
4. Wandowski T., Kudela P., **Malinowski P.**, Ostachowicz W., 2010, ***Lamb Waves for Damage Localisation in Panels***, *Strain* 47(5): 449-457.
5. Wandowski T., **Malinowski P.**, Kudela P., Ostachowicz W., 2010, ***Guided wave-based detection of delamination and matrix cracking in composite laminates***, *Proceedings of the Institution of Mechanical Engineers, Part C Journal of Mechanical Engineering Science* 224; (dostęp online).
6. Ostachowicz W., Kudela P., **Malinowski P.**, Wandowski T., 2009, ***Damage localisation in plate-like structures based on PZT sensors***, *Mechanical Systems and Signal Processing* 23(6): 1805-1829.
7. **Malinowski P.**, Wandowski T., Trendafilova I., Ostachowicz W., 2009, ***A phased-array-based method for damage detection and localization in thin plates***, *An International Journal of Structural Health Monitoring* 8(1): 5-15.
8. Ostachowicz W., Krawczuk M., Żak A., Palacz M., Kudela P., Wandowski T., Mieloszyk M., **Malinowski P.**, Majewska K., **Rozdział 2**, [w:] ***System monitorowania i diagnostyki konstrukcji o wysokim poziomie ryzyka awarii***, Uhl T., Mendrok K., Wydawnictwo Naukowe ITE, 2009: 17-68.
9. Ostachowicz W., Wandowski T., **Malinowski P.**, 2008, ***Elastic wave phased array for damage localization***, *Journal of Theoretical and Applied Mechanics* 46(4): 917-931.

II. Prace pokonferencyjne i doniesienia zjazdowe:

1. **Malinowski P.**, Wandowski T., Ostachowicz W., 2011, ***The search for optimal sensor network in Lamb wave-based SHM metod***, Proc. of the 8th International Workshop on Structural Health Monitoring, Stanford University, Stanford, CA, 13.-15.09.2011, s. 2237-2244.

2. Wandowski T., **Malinowski P.**, Ostachowicz W., 2011, ***Diagnostics using different configurations of sensing networks***, *Journal of Physics: Conference Series Volume 305(1)*.
3. Mieloszyk M., **Malinowski P.**, Wandowski T., Ostachowicz W., 2011, ***Determination of the temperature field using Fibre Bragg Grating sensors and infrared thermography method***, Proc. 5th ECCOMAS Conference on Smart Structures and Materials, Saarbruecken, Germany, 6.-8.07.2011.
4. Wandowski T., **Malinowski P.**, Ostachowicz W., 2011, ***Influence of defective sensors on damage detection method***, Proc. 5th ECCOMAS Conference on Smart Structures and Materials, Saarbruecken, Germany, 6.-8.07.2011.
5. Murawski L., Opoka S., Ostachowicz W., Wandowski T., **Malinowski P.**, 2011, ***Practical application of SHM system based on FBG sensors for offshore platform***, 8th International Conference on Structural Dynamics, EUROODYN–2011., Leuven, Belgia, 4.-6.07.2011, s. 2052-2059.
6. **Malinowski P.**, Wandowski T., Ostachowicz W., 2011, ***Sensor arrays for damage localization using Lamb waves propagation phenomena***, 8th International Conference on Structural Dynamics, EUROODYN–2011., Leuven, Belgia, 4.-6.07.2011, s. 2127-2133.
7. Opoka S., Murawski L., Wandowski T., **Malinowski P.**, Ostachowicz W., 2011, ***Damage detection experiment on offshore platform leg model with usage of fibre optic technique based on FBG sensors***, Proc. 8th International Conference on Condition Monitoring and Machinery Failure Prevention Technologies, 20.-22.06.2011.
8. Ostachowicz W., Wandowski T., **Malinowski P.**, 2010, ***Damage detection using laser vibrometry***, Proceedings of 2nd International Symposium on NDT in Aerospace, CD-ROM.
9. Luczak M., Peeters B., Mevel L., Ostachowicz W., **Malinowski P.**, Wandowski T., Branner K., 2010, ***Damage Detection in Wind Turbine Blades Parts Using Three Different SHM Techniques***, Proc. IMAC XXVIII A Conference and Exposition on Structural Dynamics, Jacksonville, Floryda, USA, 1.-4.02.2010.
10. Ostachowicz W., Wandowski T., **Malinowski P.**, 2010, ***Combined distributed and concentrated transducer network for failure indication***, Proceedings of SPIE Vol. 7650, Health Monitoring of Structural and Biological Systems, eds. Tribikram Kundu, 76503A.
11. Łuczak M., Kashin M., Peeters B., Branner K., Martyniuk K., Ostachowicz W., Wandowski T., **Malinowski P.**, 2010, ***Applying static and dynamic test responses for defect prediction in wind turbine blades using a probabilistic approach***, Proc. European Wind Energy Conference and Exhibition (EWEC), Warszawa, 20.-23.04.2010.
12. **Malinowski P.**, Wandowski T., Kudela P., Ostachowicz W., 2010, ***Laser vibrometry for guided wave propagation phenomena visualisation and damage detection***, AIP Conference Proceedings Vol. 1253.
13. **Malinowski P.**, Wandowski T., Ostachowicz W., 2010, ***Phased arrays for damage localization***, Proc. School and Symposium on Smart Structural Systems and Technologies (S3T), Porto, Portugalia, 5.-9.04.2010.
14. Wandowski T., **Malinowski P.**, Ostachowicz W., 2010, ***Comparison of Distributed and Concentrated Networks of Piezoelectric Transducers***, Proc. 5th European Workshop on Structural Health Monitoring, Sorrento, Włochy, 29.06-2.07.2010, s. 704-711.

15. **Malinowski P.**, Wandowski T., Ostachowicz W., 2010, ***Imaging of Damage Position in Structural Elements***, Proc. 5th European Workshop on Structural Health Monitoring, Sorrento, Włochy, 29.06-2.07.2010, s. 968-975.
16. Dragan K., Klimaszewski S., Kudela P., **Malinowski P.**, Wandowski T., 2010, ***Health Monitoring of the Helicopter Main Rotor Blades with the Structure Integrated Sensors***, Proc. 5th European Workshop on Structural Health Monitoring, Sorrento, Włochy, 29.06-2.07.2010, s. 63-69.
17. **Malinowski P.**, Wandowski T., Ostachowicz W., 2010, ***Active sensor arrays for damage detection***, *Applied Mechanics and Materials* 24-25: 51-56.
18. Wandowski T., **Malinowski P.**, Ostachowicz W., 2010, ***Damage localisation using various signal filtering approaches***, International Conference on Noise and Vibration Engineering including USD2010, Leuven, Belgia, 20.-22.09.2010, s. 1135-1149.
19. **Malinowski P.**, Wandowski T., Ostachowicz W., 2009, ***Removing the ambiguity in Lamb wave-based damage localization***, *Key Engineering Materials* 413-414: 79-86.
20. Wandowski T., **Malinowski P.**, Ostachowicz W., 2009, ***Damage localization in thin panels using elastic wave propagation method***, *Key Engineering Materials* 413-414: 87-93.
21. Wandowski T., **Malinowski P.**, Kudela P., Ostachowicz W., 2009, ***Experimental verification of damage localisation algorithm based on triangular PZT transducers network***, Proc. 7th International Workshop on Structural Health Monitoring, Stanford, Kalifornia, USA, 9.-11.09.2009, Vol. 2: 2315-2322.
22. **Malinowski P.**, Wandowski T., Ostachowicz W., 2009, ***Elastic wave-based method for condition monitoring***, Proc. 7th International Workshop on Structural Health Monitoring, Stanford, Kalifornia, USA, 9.-11.09.2009, Vol. 2: 2266-2273.
23. Wandowski T., **Malinowski P.**, M. Mieloszyk, K. Majewska, Ostachowicz W., ***Structural Health Monitoring for isotropic structures***, [w:] ***Selected problems of modal analysis of mechanical systems***, Uhl T., Akademia Górniczo-Hutnicza, Kraków, 2009: 181-190.
24. **Malinowski P.**, Wandowski T., Kudela P., Ostachowicz W., 2008, ***Lamb wave-based detection of delamination and matrix cracking in composite laminates***, Proc. Euromech 458 Colloquim on Nonlinear Dynamics of Composites and Smart Structures, Kazimierz Dolny, 21.-24.05.2009.
25. **Malinowski P.**, Wandowski T., Ostachowicz W., 2008, ***Multi-damage localization with piezoelectric transducers***, Proc. 4th European Workshop Structural Health Monitoring, Kraków, 2-4.07.2008, s. 716-723.
26. Wandowski T., **Malinowski P.**, Ostachowicz W., 2008, ***Geometrical approach to damage localization in panels***, Proc. 4th European Workshop Structural Health Monitoring, Kraków, 2.-4.07.2008, s. 784-791.
27. Kudela P., Krawczuk M., Ostachowicz W., **Malinowski P.**, Żak A., 2008, ***Modelowanie i wizualizacja zjawiska propagacji fal w elementach kompozytowych***, *Wybrane zagadnienia analizy modalnej konstrukcji mechanicznych* s. 189-196.
28. Ostachowicz W., Żak A., **Malinowski P.**, Wandowski T., 2008, ***Control of properties of composite structures with the use of multi-functional materials***, *Advances in Science and Technology* 56: 324-333.

29. Deraemaeker A., Preumont A., Reynders E., De Roeck G., Lamsa V., Kullaa J., Manson G., Barthorpe R., Papatheou E., Worden K., Kudela P., **Malinowski P.**, Ostachowicz W., Wandowski T., 2008, ***Vibration based Structural Health Monitoring using large sensor networks***, ESF-NSF Workshop on Sensor Networks for Civil Infrastructure Systems, Cambridge, UK, 27.-29.04.2008.
30. **Malinowski P.**, Wandowski T., Trendafilova I., Ostachowicz W., 2007, ***Multi-phased array for damage localisation***, *Key Engineering Materials* 347: 77-82.
31. Wandowski T., Kudela P., **Malinowski P.**, Ostachowicz W., 2007, ***Lamb wave-based discontinuity localization***, Proc. III ECCOMAS Conference on Smart Structures and Materials, Gdańsk, 9.-11.07.2007.
32. Wandowski T., **Malinowski P.**, Ostachowicz W., 2007, ***Influence of transducers number on damage localisation using multi-phased array***, Proc. 17th International Conference on Computer Methods in Mechanics, Spała-Łódź, 19.-22.06.2007.
33. Wandowski T., **Malinowski P.**, Ostachowicz W., 2007, ***Analiza rozmieszczenia przetworników piezoelektrycznych w zagadnieniach lokalizacji uszkodzeń***, I Kongres Mechaniki Polskiej, Warszawa 28.-31.08.2007; wydane na CD.
34. **Malinowski P.**, Wandowski T., Ostachowicz W., 2007, ***Experimental application of signal processing algorithm for damage localization***, Proc. 6th International Workshop on Structural Health Monitoring, Stanford, USA, 11.-13.09.2007, Vol. 2: 20582065.