

Paweł Malinowski

Lista publikacji z dnia 30 października 2010

Publikacje w czasopismach (lista Filadelfijska)

1. 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
2. Wandowski T., Kudela P., **Malinowski P.**, Ostachowicz W., 2010, **Lamb waves for damage localization in panels**, *Strain*, Manuscript ID: STRAIN-0401.R
3. 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 DOI: 10.1243/09544062JMES1907
4. 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
5. **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
6. Ostachowicz W., Wandowski T., **Malinowski P.**, 2008, **Elastic wave phased array for damage localization**, *Journal of Theoretical and Applied Mechanics* 46(4): 917-931

Rozdziały w monografiach

1. 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

Prace pokonferencyjne

1. 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, 01-04.02, Jacksonville, Floryda, USA
2. 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
3. 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), 20-23.04, Warszawa
4. **Malinowski P.**, Wandowski T., Kudela P., Ostachowicz W., 2010, **Laser vibrometry for guided wave propagation phenomena visualisation and damage detection**, AIP Conference Proceedings 1253
5. **Malinowski P.**, Wandowski T., Ostachowicz W., 2010, **Phased arrays for damage localization**, Proc. School and Symposium on Smart Structural Systems and Technologies (S3T), 05-09.04, Porto, Portugalia
6. Wandowski T., **Malinowski P.**, Ostachowicz W., 2010, **Comparison of Distributed and Concentrated Networks of Piezoelectric Transducers**, Proc. 5th European Workshop on Structural Health Monitoring, 29.06-02.07, Sorrento, Włochy, 704-711

7. **Malinowski P.**, Wandowski T., Ostachowicz W., 2010, ***Imaging of Damage Position in Structural Elements***, Proc. 5th European Workshop on Structural Health Monitoring, 29.06-02.07, Sorrento, Włochy, 968-975
8. 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, 29.06-02.07, Sorrento, Włochy, 63-69
9. **Malinowski P.**, Wandowski T., Ostachowicz W., 2010, ***Active sensor arrays for damage detection***, Applied Mechanics and Materials 24-25: 51-56
10. Wandowski T., **Malinowski P.**, Ostachowicz W., 2010, ***Damage localisation using various signal filtering approaches***, Proc. International Conference on Noise and Vibration Engineering including USD2010, 20-22.09, Leuven, Belgia, 1135-1149
11. **Malinowski P.**, Wandowski T., Ostachowicz W., 2009, ***Removing the ambiguity in Lamb wave-based damage localization***, Key Engineering Materials 413-414:79-86
12. Wandowski T., **Malinowski P.**, Ostachowicz W., 2009, ***Damage localization in thin panels using elastic wave propagation method***, Key Engineering Materials 413-414: 87-93
13. 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, 09-11.09, Stanford, Kalifornia, USA, vol. 2: 2315-2322
14. **Malinowski P.**, Wandowski T., Ostachowicz W., 2009, ***Elastic wave-based method for condition monitoring***, Proc. 7th International Workshop on Structural Health Monitoring, 09-11.09, Stanford, Kalifornia, USA, vol. 2: 2266-2273
15. Wandowski T., **Malinowski P.**, Mieloszyk M., Majewska K., Ostachowicz W., 2009, ***Structural Health Monitoring for isotropic structures***, [w:] ***Selected problems of modal analysis of mechanical systems***, Uhl T., Akademia Górniczo-Hutnicza, Kraków: 181-190
16. **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, 21-24.05, Kazimierz Dolny
17. **Malinowski P.**, Wandowski T., Ostachowicz W., 2008, ***Multi-damage localization with piezoelectric transducers***, Proc. 4th European Workshop Structural Health Monitoring, 02-04.07, Kraków: 716-723
18. Wandowski T., **Malinowski P.**, Ostachowicz W., 2008, ***Geometrical approach to damage localization in panels***, Proc. 4th European Workshop Structural Health Monitoring, 02-04.07, Kraków: 784-791
19. 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, 189-196, AGH, Kraków
20. 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
21. 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, 27-29.04, Cambridge, UK
22. **Malinowski P.**, Wandowski T., Trendafilova I., Ostachowicz W., 2007, ***Multi-phased array for damage localisation***, Key Engineering Materials 347: 77-82
23. Wandowski T., Kudela P., **Malinowski P.**, Ostachowicz W., 2007, ***Lamb wave-based discontinuity localization***, Proc. III ECCOMAS Conference on Smart Structures and Materials, 09-11.07, Gdańsk
24. 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, 19-22.06, Spała-Łódź
25. Wandowski T., **Malinowski P.**, Ostachowicz W., 2007, ***Analiza rozmieszczenia przetworników piezoelektrycznych w zagadnieniach lokalizacji uszkodzeń***, I Kongres Mechaniki Polskiej (wydane na CD), 28-31.08, Warszawa
26. **Malinowski P.**, Wandowski T., Ostachowicz W., 2007, ***Experimental application of signal processing algorithm for damage localisation***, Proc. 6th International Workshop on Structural Health Monitoring, 11-13.09, Stanford, USA, vol. 2: 2058-2065