Piotr Kijanka

Lista publikacji

z dnia 31 października 2015

Publikacje w czasopismach

1. Kijanka P., Packo P., Lanza di Scalea F., Staszewski W.J., 2016, ***Actuation stress modelling of piezoceramic transducers under variable temperature field*****,** *Journal of Intelligent Material Systems and Structures,* 27(3): s. 337-349

2. Kijanka P., Packo P., Zhu X., Lanza di Scalea F., Staszewski W.J., 2015, ***Three-Dimensional Temperature Effect Modelling of Piezoceramic Transducers Used for Lamb Wave Based Damage Detection*****,** *Smart Materials and Structures,* 24(6): s. 065005

3. Kijanka P., Manohar A., Lanza di Scalea F., Staszewski W.J., 2014, ***Damage location by ultrasonic Lamb waves and piezoelectric rosettes*****,** *Journal of Intelligent Material Systems and Structures,* 26(12): s. 1477-1490

4. Mariani S., Nguyen T., Phillips R.R., Kijanka P., Lanza di Scalea F., Staszewski W.J., Fateh M., Carr G., 2013, ***Non-contact ultrasonic guided wave inspection of rails*****,** *Structural Health Monitoring-An International Journal,* 12: s. 539-548

5. Kijanka P., Radecki R., Packo P., Staszewski W.J., Uhl T., 2013, ***GPU-based local interaction simulation approach for simplified temperature effect modelling in Lamb wave propagation used for damage detection*****,** *Smart Materials and Structures,* 22(3): s. 035014

Prace pokonferencyjne i doniesienia zjazdowe

1. Dziedziech K., Zolna K., Pieczonka L., Staszewski W.J., Kijanka P., 2015, ***Statistical analysis for piezo-based structural damage detection using enhanced nonlinear crack-wave interactions*** *7th ECCOMAS Thematic Conference on Smart Structures and Materials,* SMART 2015, 3-6 June 2015, Azores, Portugal

2. Kijanka P., Packo P., Staszewski W.J., Dziedziech K., 2015, ***Non-classical dissipative model of nonlinear crack-wave interactions used for damage detection*** **Health** *Monitoring of Structural and Biological Systems,* Proc. of SPIE 9438, *vol. 94381U,* 23 March 2015, San Diego, USA

3. Dziedziech K., Pieczonka L., Kijanka P., Staszewski W.J., 2015, ***Enhanced nonlinear crack-wave interactions for structural damage detection based on Lamb waves Health Monitoring of Structural and Biological Systems 2015*****,*** Proc. of SPIE 9438, vol. 94380C, 23 March 2015, San Diego, USA

4. Kijanka P., Packo P., Zhu X., Staszewski W.J., Lanza di Scalea F., 2014, ***Three-dimensional temperature effect modelling of piezoceramic transducers used for structural health*** **5th** *Asia-Pacific Workshop on Structural Health Monitoring:* December 4–5, 2014, Shenzhen, China

5. Nguyen T., Mariani S., Phillips R.R., Kijanka P., Lanza di Scalea F., Staszewski W.J., 2013, ***Non-contact ultrasonic guided wave inspections of rails*** *ASME 2013 International Mechanical Engineering Congress and Exposition (IMECE 2013),* 15–21 November 2013, San Diego, USA

6. Mariani S., Nguyen T., Phillips R., Kijanka P., Lanza di Scalea F., Staszewski W.J., 2013, ***Non-contact ultrasonic guided wave inspection of rails Structural health monitoring 2013: a roadmap to intelligent structures,*** *Proceedings of the 9th International workshop on Structural Health Monitoring :* September 10–12, 2013, Vol. 2, ISBN: 978-1-60595-115-7, s. 2570–2577, Stanford, USA

7. Kijanka P., Packo P., Staszewski W.J., Uhl T., 2013, ***Temperature effect modelling of piezoceramic transducers used for Lamb wave propagation in damage detection applications*** **Health monitoring of structural and biological systems,** *Proc. of SPIE,* 11–14 March 2013, ISSN 0277-786X; vol. 8695 — ISBN: 9780819494788. — s. 86952C-1–86952C-10, San Diego, USA

8. Mariani S., Nguyen T., Phillips R.R., Kijanka P., Lanza di Scalea F., Staszewski W.J., 2013, ***Non-contact ultrasonic guided wave inspection of rails Sensors and smart structures technologies for civil, mechanical and aerospace systems 2013,*** *Proc. of SPIE : 10–14 March 2013*, , ISSN 0277-786X ; vol. 8692 — ISBN: 9780819494757 — s. 86921L-186921L-12, San Diego, USA

9. Kijanka P., Packo P., Staszewski W.J., Uhl T., 2012, ***Local interaction simulation approach for temperature effect modelling in lamb wave propagation Structural health monitoring 2012 : proceedings of the sixth European workshop :*** *July 3–6, 2012,* Vol. 1, ISBN: 978-3-940283-41-2. — s. 856–862, Dresden, Germany