

# Przemysław Perlikowski

## Lista publikacji

z dnia 30 października 2010

### Monografie

1. Strzalko J., Grabski J., **Perlikowski P.**, Stefanski A., Kapitaniak T., ***Dynamics of Gambling: Origins of Randomness in Mechanical Systems***, 152 s., [w:] ***Lecture Notes in Physics***, vol. 792, Springer, 2010

### Publikacje w czasopismach recenzowanych

1. Czołczyński K., **Perlikowski P.**, Stefański A., Kapitaniak T., 2010, ***Huygens' odd sympathy experiment revisited***, *International Journal Bifurcation and Chaos*, (zaakceptowano do druku)
2. Chudzik A., **Perlikowski P.**, Stefański A., Kapitaniak T., 2010, ***Multistability and rare attractors in van der Pol – Duffing oscillator***, *International Journal Bifurcation and Chaos*, (zaakceptowano do druku)
3. **Perlikowski P.**, Yanchuk S., Popovych O. V., Tass P. A., 2010, ***Periodic patterns in a ring of delay-coupled oscillators***, *Physical Review E* 82
4. **Perlikowski P.**, Stefański A., Kapitaniak T., 2010, ***Discontinuous synchrony in an array of Van der Pol oscillators***, *International Journal of Non-Linear Mechanics* 45(9)
5. Strzalko J., Grabski J., Stefanski A., **Perlikowski P.**, Kapitaniak T., 2010, ***Understanding coin tossing***, *The Mathematical Intelligencer* 32(4)
6. **Perlikowski P.**, Yanchuk S., Wolfrum M., Stefanski A., Mosiłek P., Kapitaniak T., 2010, ***Routes to complex dynamics in a ring of unidirectionally coupled systems***, *Chaos: An Interdisciplinary Journal of Nonlinear Science* 20(1)
7. Czołczyński K., **Perlikowski P.**, Stefański A., Kapitaniak T., 2009, ***Clustering of Huygens' clocks***, *Progress of Theoretical Physics* vol. 122(4)
8. Czołczyński K., **Perlikowski P.**, Stefański A., Kapitaniak T., 2009, ***Clustering and synchronization of n Huygens' clocks***, *Physica A* 388
9. Yanchuk S., **Perlikowski P.**, 2009, ***Delay and Periodicity***, *Physical Review E* 79
10. Strzalko J., Grabski J., Stefanski A., **Perlikowski P.**, Kapitaniak T., 2008, ***The Dynamics of Coin Tossing is Predictable***, *Physics Reports* 469
11. Czołczyński K., Stefański A., **Perlikowski P.**, Kapitaniak T., 2008, ***Multistability and chaotic beating of Duffing oscillators suspended on the elastic structure***, *Journal of Sound and Vibration* 322
12. **Perlikowski P.**, Jagiello B., Stefanski A., Kapitaniak T., 2008, ***Experimental observation of ragged synchronizability***, *Physical Review E* 78
13. **Perlikowski P.**, Stefanski A., Kapitaniak T., 2008, ***1:1 Mode locking and generalized synchronization in mechanical oscillators***, *Journal of Sound and Vibration* 318
14. **Perlikowski P.**, Stefanski A., Kapitaniak T., 2008, ***Comment on „Synchronization in a ring of four mutually coupled van der Pol oscillators: Theory and experiment”***, *Physical Review E* 77
15. **Perlikowski P.**, 2008, ***Synchronization of mechanical oscillators excited kinematically***, *Journal of Theoretical and Applied Mechanics* 48(1)
16. Czołczyński K., Stefański A., **Perlikowski P.**, Kapitaniak T., 2008, ***Dynamics of an Array of Duffing Oscillators Suspended on Elastic Structure***, *Machine Dynamics Problems* 31(2)
17. Czołczyński K., Kapitaniak T., **Perlikowski P.**, Stefański A., 2007, ***Periodization of Duffing oscillators suspended on elastic structure: mechanical explanation***, *Chaos, Solitons and Fractals* 32
18. Czołczyński K., **Perlikowski P.**, Stefański A., Kapitaniak T., 2007, ***Synchronization of self-excited oscillators suspended on elastic structure***, *Chaos, Solitons and Fractals* 32
19. Stefański A., **Perlikowski P.**, Kapitaniak T., 2007, ***Ragged synchronizability of coupled oscillators***, *Physical Review E* 75

20. Perlikowski P., Stefański A., *Synchronization of coupled mechanical oscillators*, *Mechanics and Mechanical Engineering* 10

## Rozdziały w monografiach

1. Strzalko J., Grabski J., Stefanski A., Perlikowski P., Kapitaniak T., *Dynamics of the coin tossing*, [w:] *Topics on Chaotic Systems, Selected Papers from CHAOS 2008 International Conference*, Skiadas C. H., Dimotikalis I., Skiadas C., World Scientific, 2009: 338-241
2. Perlikowski P., Stefanski A., Kapitaniak T., *Ragged Synchronizability of Coupled van der Pol's Oscillators*, [w:] *Nonlinear Dynamics*, Daniel M., Rajasekar S., Narosa Publishing House, 2009: 333-
3. Perlikowski P., Stefanski A., Kapitaniak T., *Ragged Synchronizability and Clustering in a Network of Coupled Oscillators*, [w:] *Recent Advances in Nonlinear Dynamics and Synchronization (NDS-1) – Theory and Applications, Series: Studies in Computational Intelligence*, vol. 254, Kyamakya K., Halang W., Unger H., Chedjou J. C., Rulkov N. F., Li Z., Springer Berlin/Heidelberg, 2009: 45-79
4. Czołczyński K., Stefański A., Perlikowski P., Kapitaniak T., *Periodization and synchronization of Duffing oscillators suspended on elastic beam*, [w:] *IUTAM Bookseries*, Hu H. Y., Kreuzer E., vol. 2, Springer, 2007: 317-322

## Publikacje konferencyjne (wybrane)

1. Czołczyński K., Perlikowski P., Stefański A., Kapitaniak T., 2009, *Clustering of clocks*, Euromech Colloquium 503, Frascati, Włochy
2. Strzalko J., Grabski J., Stefanski A., Perlikowski P., Jagiello B., Kapitaniak T., 2009, *Coin Tossing Dynamics – Experiments and Simulations*, GAMM 2009 Gdansk University of Technology, Gdansk, Polska
3. Czołczyński K., Perlikowski P., Stefański A., Kapitaniak T., 2009, *Clustering of Huygens' clocks*, International Conference on Vibration Problems (ICoVP), IIT Kharagpur, Indie
4. Stefanski A., Perlikowski P., 2008, *Coexistence of synchronous states in chaotically driven mechanical oscillators*, The International Congress of Theoretical and Applied Mechanics (ICTAM), Adelaide, Australia
5. Stefanski A., Perlikowski P., Kapitaniak T., 2008, *Ragged Synchronizability and Clustering in a Network of Coupled Oscillators*, First International Workshop On Nonlinear Dynamics and Synchronization (INDS08), Klagenfurt, Austria
6. Stefanski A., Perlikowski P., 2008, *Dynamics of Coupled Mechanical Oscillators with Common Driving*, Euromech Colloquium 498, Kazimierz Dolny, Polska
7. Strzalko J., Grabski J., Stefanski A., Perlikowski P., Kapitaniak T., 2008, *The Dynamics of Coin Tossing is Predictable*, Euromech Colloquium 498, Kazimierz Dolny, Polska
8. Czołczyński K., Perlikowski P., Stefański A., Kapitaniak T., 2008, *Synchronization types of oscillators suspended on elastic structure*, 5-th International Conference on Nonlinear Mechanics Shanghai, Chiny
9. Strzalko J., Grabski J., Perlikowski P., Kapitaniak T., 2007, *Wykorzystanie kwaternionów do opisu dynamiki ciała*, Kongres Mechaniki Polskiej, Warszawa, Polska
10. Stefański P., Perlikowski P., Kapitaniak T., 2007, *Ragged synchronizability of coupled oscillators*, The 3rd Shanghai International Symposium on Nonlinear Sciences And Applications, Shanghai, Chiny
11. Perlikowski P., Stefański A., Kapitaniak T., 2007, *General, phase and complete synchronization in chaotic oscillators*, Advanced Problems in Mechanics, Saint Petersburg, Rosja
12. Perlikowski P., Stefański A., 2006, *Intermittent synchronizability in arrays of coupled mechanical oscillators*, PhD 2006 Conference, Pilzen, Czechy
13. Perlikowski P., 2005, *Synchronization of two coupled mechanical oscillators*, III Polish-Ukrainian Conference of Young Scientists, Chmielnicki National University, Chmielnicki, Ukraina, sesja plenarna
14. Perlikowski P., 2005, *Synchronization of two coupled Duffing oscillators*, I Seminars of Mechanical Engineering Faculty: "Mechanical Engineering. Design & Manufacturing" Biały Dunajec, Polska

## Komunikaty konferencyjne (niepublikowane)

1. **Perlikowski P.**, 2009, *Synchronization effects in a ring of unidirectionally coupled Duffing oscillators*, 555 – Sfb Symposium: "Complex Networks", Berlin, Niemcy
2. **Perlikowski P.**, 2009, *Complex dynamics in the system of unidirectionally coupled Duffing oscillators*, CF: Nonlinear Dynamics, Stability, Identification and Control of Systems and Structures, konferencja w ramach programu SICON, Rzym, Włochy
3. **Perlikowski P.**, 2009, *Dynamics in a ring of delayed coupled oscillators*, Delayed Complex Systems, International Workshop, Drezno, Niemcy