

Michał Niezabitowski

Lista publikacji

z dnia 31 października 2015

Książki i monografie

1. Czornik A., Jurgaś P., Niezabitowski M., ***Estimation of the joint spectral radius, [w:] Advances in Intelligent Systems and Computing***, Gruca A., Brachman A., Kozielski S., Czachórski T., Springer International Publishing, 2015, 401-410.
2. Babiarz A., Czornik A., Klamka J., Niezabitowski M., ***Dynamics Modeling of 3D Human Arm Using Switched Linear Systems, [w:] Intelligent Information and Database Systems, Lecture Notes in Computer Science***, Nguyen N.T., Trawiński B., Kosala R., Springer International Publishing, 2015, 258-267.
3. Babiarz A., Czornik A., Klamka J., Niezabitowski M., ***Controllability of Discrete-Time Linear Switched Systems with Constrains on Switching Signal, [w:] Intelligent Information and Database Systems, Lecture Notes in Computer Science***, Nguyen N.T., Trawiński B., Kosala R., Springer International Publishing, 2015, 304-312.
4. Klamka J., Czornik A., Niezabitowski M., Babiarz A., ***Trajectory Controllability of Semilinear Systems with Delay, [w:] Intelligent Information and Database Systems, Lecture Notes in Computer Science***, Nguyen N.T., Trawiński B., Kosala R., Springer International Publishing, 2015, 313-323.
5. Czornik A., Nawrat A., Niezabitowski M., ***Estimation of solution of discrete linear time-varying system, [w:] Studies in Computational Intelligence, Vision Based Systems for UAV Applications***, Nawrat A., Kuś Z., Springer International Publishing, 2013, 311-326.
6. Czornik A., Nawrat A., Niezabitowski M., ***Lyapunov Exponents for Discrete Time-Varying Systems [w:], Advanced Technologies for Intelligent Systems of National Border Security, Studies in Computational Intelligence***, Nawrat A., Simek K., Świerniak A., Springer International Publishing, 2012, 29-44.

Publikacje w czasopismach

1. Babiarz A., Czornik A., Klamka J., Niezabitowski M., 2015, ***The selected problems of controllability of discrete-time switched linear systems with constrained switching rule***, *Bulletin of the Polish Academy of Sciences - Technical Sciences*, 63(3), 657-666.
2. Babiarz A., Czornik A., Niezabitowski M., 2015, ***On the number of upper Bohl exponents for diagonal discrete time-varying linear system***, *Journal of Mathematical Analysis and Applications*, 429(1), 337-353.
3. Czornik A., Niezabitowski M., 2015, ***Alternative formulae for lower general exponent of discrete linear time-varying systems***, *Journal of the Franklin Institute – Engineering and Applied Mathematics*, 352(1), 399-411.
4. Niezabitowski M., 2015, ***Properties of the lower Bohl exponents of diagonal discrete linear time-varying systems***, *Applied Mechanics and Materials*, 789-790, 1050-1056.

5. Babiarz A., Czornik A., Niezabitowski M., Zawiski R., 2015, **Modelling of the human's leg as a switched linear system**, *Applied Mechanics and Materials*, 789-790, 745-751.
6. Babiarz A., Klamka J., Niezabitowski M., Zawiski R., 2015, **Simulation-based analysis of a linear switched system based on human arm's dynamics**, *Applied Mechanics and Materials*, 789-790, 761-767.
7. Klamka J., Babiarz A., Niezabitowski M., Ferenstein E., 2015, **On the reducibility of the discrete linear time-varying systems**, *Applied Mechanics and Materials*, 789-790, 1025-1031.
8. Janusz W., Czyba R., Szafranski G., Niezabitowski M., 2015, **Extended modeling of vertical axis motion dynamics of VTOL vehicle**, *Applied Mechanics and Materials*, 789-790, 881-886.
9. Klamka J., Babiarz A., Czornik A., Niezabitowski M., Ferenstein E., 2015, **Trajectory controllability of semilinear systems with delay in control and state**, *Applied Mechanics and Materials*, 789-790, 1043-1049.
10. Klamka J., Czornik A., Niezabitowski M., 2013 **Stability and controllability of switched systems**, *Bulletin of the Polish Academy of Sciences - Technical Sciences*, 61(3), 547-555.
11. Czornik A., Niezabitowski M., 2013, **On the spectrum of discrete time-varying linear systems**, *Nonlinear Analysis: Hybrid Systems*, 9, 27-41.
12. Czornik A., Nawrat A., Niezabitowski M., 2013, **On the Lyapunov exponents of a class of the second order discrete time linear systems with bounded perturbations**, *Dynamical Systems: An International Journal*, 28 (4), 473-483.
13. Czornik A., Niezabitowski M., 2013, **Lyapunov exponents for systems with unbounded coefficients**, *Dynamical Systems: An International Journal*, 28 (2), 140-153.
14. Czornik A., Mokry P., Niezabitowski M., 2012, **On a Continuity of characteristic exponents of linear discrete time-varying systems**, *Archives of Control Sciences*, 22(LVIII) (1), 17-27.

Prace pokonferencyjne i doniesienia zjazdowe:

1. Jerzy Klamka and Michał Niezabitowski: **Controllability of the fractional discrete linear time-varying infinite-dimensional systems**, 13th International Conference of Numerical Analysis and Applied Mathematics, Rodos, Grecja, 23-29.09.2015 (2015) (ma być w bazie Web of Science; również autor korespondencyjny)
2. Evgenij Barabanov, Aliaksei Vaidzelevich, Adam Czornik, Michał Niezabitowski: **Exact Boundaries of Mobility of the Lyapunov, Perron and Bohl Exponents of Linear Difference Systems under Small Perturbations of the Coefficient Matrices**, 13th International Conference of Numerical Analysis and Applied Mathematics, Rodos, Grecja, 23-29.09.2015 (2015) (ma być w bazie Web of Science; również autor korespondencyjny)

3. Adrian Łęgowski, Michał Niezabitowski: **An Industrial Robot Singular Trajectories Planning Based on Graphs and Neural Networks**, 13th International Conference of Numerical Analysis and Applied Mathematics, Rodos, Grecja, 23-29.09.2015 (2015) (ma być w bazie Web of Science)
4. Roman Czyba, Marcin Janik, Oliver Kurgan, Michał Niezabitowski, Marek Nocoń: **Development of Autonomous Multirotor Platform for Exploration Missions**, 13th International Conference of Numerical Analysis and Applied Mathematics, Rodos, Grecja, 23-29.09.2015 (2015) (ma być w bazie Web of Science; również autor korespondencyjny)
5. Jerzy Klamka, Wojciech Janusz, Michał Maćkowski, Michał Niezabitowski, Justyna Orwat, **Paweł Sikora: UAV application for delivering the Internet access during the geodetic measurements**, 10th Scientific Conference Internet in the Information Society, 24-25.09.2015, 9-25 (2015). (ma być w bazie Web of Science; również autor korespondencyjny)
6. Michał Niezabitowski, Aliaksei Vaidzelevich: **The complete description of Lyapunov coefficients of irregularity of mutually adjoint linear discrete time-varying systems**, 20th International Conference on Methods and Models in Automation and Robotics (MMAR), 24-27.08.2015, Międzyzdroje, 988-993 (2015). (ma być w bazie Web of Science; również autor korespondencyjny)
7. Alexander Konyukh, Michał Niezabitowski: **On the attainability of an estimate of a number of Perron exponents for discrete linear diagonal systems with bounded coefficients**, 20th International Conference on Methods and Models in Automation and Robotics (MMAR), 24-27.08.2015, Międzyzdroje, Polska, 994-999 (2015). (ma być w bazie Web of Science; również autor korespondencyjny)
8. Adam Czornik, Michał Niezabitowski: **Stability of infinite-dimensional linear inclusions**, 20th International Conference on Methods and Models in Automation and Robotics (MMAR), 24-27.08.2015, Międzyzdroje, Polska, 204-207 (2015). (ma być w bazie Web of Science; również autor korespondencyjny)
9. Witold Ilewicz, Marcin Kowalczyk, Michał Niezabitowski, Dariusz Buchczik, Adam Gałuszka: **Comparison of baseline estimation algorithms for chromatographic signals**, IEEE 20th International Conference on Methods and Models in Automation & Robotics (MMAR 2015), 24-27.08.2015, Międzyzdroje, Polska, 925-930 (2015). (ma być w bazie Web of Science)
10. Wojciech Janusz, Michał Niezabitowski, Ryszard Mielimąka, Justyna Orwat, Paweł Sikora: **Surface monitoring of water basins based on use of autonomous flying robots**, 20th International Conference on Methods and Models in Automation and Robotics (MMAR), Międzyzdroje, 376-381 (2015). (ma być w bazie Web of Science; również autor korespondencyjny)
11. Artur Babiaryz, Adam Czornik, Michał Niezabitowski: **Freezing Method Approach to an Asymptotic Stability of the Discrete-time Oscillator Equation**, 12th International Conference on Informatics in Control, Automation and Robotics (ICINCO), 21-23.07.2015, Colmar, Francja, 353-357 (2015). (ma być w bazie Web of Science; również autor korespondencyjny)

12. Michał Niezabitowski: ***Kinematic similarity of the discrete linear time-varying systems***, 20th International Conference on Control Systems and Science (CSCS20), 27-29.05.2015, Bukareszt, Rumunia, 10-17 (2015). (ma być w bazie Web of Science; również autor korespondencyjny)
13. Michał Maćkowski, Michał Niezabitowski: ***Power consumption analysis of microprocessor unit based on software realization***, 20th International Conference on Control Systems and Science (CSCS20), 27-29.05.2015, Bukareszt, Rumunia, 493-498 (2015). (ma być w bazie Web of Science)
14. Piotr Czekalski, Michał Niezabitowski, Rafał Stybliński: ***ANN for FOREX forecasting and trading***, 20th International Conference on Control Systems and Science (CSCS20), 27-29.05.2015, Bukareszt, Rumunia, 322-328 (2015). (ma być w bazie Web of Science)
15. Tomasz Grzejszczak, Adrian Łęgowski, Michał Niezabitowski: ***Robot manipulator teaching techniques with use of hand gestures***, 20th International Conference on Control Systems and Science (CSCS20), 27-29.05.2015, Bukareszt, Rumunia, 71-77 (2015). (ma być w bazie Web of Science)
16. Artur Babiaryz, Adam Czornik, Radosław Zawiski, Michał Niezabitowski: ***Mathematical model of a human leg – the switched linear system approach***, 5th International Conference on Pervasive and Embedded Computing and Communication Systems (PECCS), 11-13.02.2015, Angers, Francja, 90-97 (2015). (ma być w bazie Web of Science)
17. Michał Niezabitowski: ***About the properties of the upper Bohl exponents of diagonal discrete linear time-varying systems***, Proceedings of the 19th International Conference on Methods and Models in Automation and Robotics, Międzyzdroje, Polska, 02-05.09.2014 r., 880-884 (2014) (jest w bazie Web of Science; również autor korespondencyjny)
18. Jerzy Klamka, Michał Niezabitowski: ***Controllability of Switched Infinite-dimensional Linear Dynamical Systems***, Proceedings of the 19th International Conference on Methods and Models in Automation and Robotics, Międzyzdroje, Polska, 02-05.09.2014 r., 171-175 (2014). (jest w bazie Web of Science; również autor korespondencyjny)
19. Artur Babiaryz, Adam Czornik, Jerzy Klamka, Michał Niezabitowski, Radosław Zawiski: ***The mathematical model of the human arm as a switched linear system***, Proceedings of the 19th International Conference on Methods and Models in Automation and Robotics, Międzyzdroje, Polska, 02-05.09.2014 r., 508-513 (2014). (jest w bazie Web of Science)
20. Adam Czornik, Jerzy Klamka, Michał Niezabitowski: ***On the set of Perron exponents of discrete linear systems***, Proceedings of the World Congress of the 19th International Federation of Automatic Control, Kapsztad, Republika Południowej Afryki, 24-29.08.2014 r., 11740-11742. (również autor korespondencyjny)
21. Michał Niezabitowski: ***On the Bohl and general exponents of the discrete time-varying linear system***, Proceedings of the ICNPAA 2014 World Congress: 10th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences, 15-18.07.2014 r., Narvik, Norwegia, 744-749 (2014). (jest w bazie Web of Science; również autor korespondencyjny)

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23. Roman Czyba, Grzegorz Szafranski, Wojciech Janusz, Michał Niezabitowski, Adam Czornik, Marian Błachuta: ***Concept and Realization of Unmanned Aerial System with Different Modes of Operation***, Proceedings of the ICNPAA 2014 World Congress: 10th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences, 15-18.07.2014 r., Narvik, Norwegia, 261-270 (2014) (jest w bazie Web of Science)

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26. Artur Babiarez, Jerzy Klamka, Radosław Zawiski, Michał Niezabitowski: ***An Approach to Observability Analysis and Estimation of Human Arm Model***, Proceedings of the 11th IEEE International Conference on Control & Automation, 18-20.06.2014 r., Taichung, Taiwan, 947-952 (2014). (jest w bazie Web of Science)

27. Tomasz Grzejszczak, Adam Gałuszka, Michał Niezabitowski, Krystian Radlak: ***Comparison of Hand Feature Points Detection Methods***, Proceedings of DoCEIS 2014, 07-09.04.2014 r., Lizbona, Portugalia, IFIP AICT 423, 167-174 (2014). (jest w bazie Web of Science)

28. Jerzy Klamka, Michał Niezabitowski: ***Controllability of Switched Linear Dynamical Systems***, 18th International Conference on Methods and Models in Automation and Robotics, Międzyzdroje, Polska, 26-29.08.2013, 464-467 (2013). (jest w bazie Web of Science; również autor korespondencyjny)

29. Adam Czornik, Michał Niezabitowski: ***Controllability and stability of switched systems***, 18th International Conference on Methods and Models in Automation and Robotics, Międzyzdroje, Polska, 26-29.08.2013, 16-21 (2013). (jest w bazie Web of Science; również autor korespondencyjny)

30. Adam Czornik, Michał Niezabitowski: ***On the stability of Lyapunov exponents of discrete linear systems***, European Control Conference 2013, 2210-2213, 17-19.07.2013, Zurych, Szwajcaria (2013). (jest w bazie Web of Science; również autor korespondencyjny)

31. Adam Czornik, Michał Niezabitowski: ***O parametrycznej zależności wykładników Lapunowa dyskretnych układów liniowych***, XVIII Krajowa Konferencja Automatyzacji Procesów Dyskretnych w Zakopanem 19-22.09.2012, Analiza procesów dyskretnych, Tom I, 41-48 (2012). (również autor korespondencyjny).