

Papers Published in the Automatics and Informatics Journal in 2017

2017, No. 1, Jubilee Edition – 50 Years Automatics and Informatics Journal

1. Academician Vassil Sgurev – Chairman the John Atanasoff Society of Automatics and Informatics. **Foreword by the Publisher John Atanasoff Society of Automatics and Informatics.** 2017, No. 1, 3.

2. Academician Mincho Hadjiiski – Editor-in-Chief of Automatics and Informatics Journal. **50th Anniversary of the Automatics and Informatics Journal.** 2017, No. 1, 4-49.

3. Academician Kiril Boyanov. **50 Years Automatics and Informatics Journal.** 2017, No. 1, 50-51.

4. Correspondent-Member Prof. Petko Petkov – Editor-in-Chief of the Information Technologies and Control Journal. **15 Years Information Technologies and Control Journal.** 2017, No. 1, 52-53.

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5. Trifonov, R., G. Pavlova, I. Pavlov. **Models of Walking Robot Intelligent Behaviour at Movement on Slopes and Stairs.** 2017, No. 2, 3-8.

6. Deliiski, N., N. Tumbarkova. **Modeling of the Energy Consumption for Melting of the Frozen Free Water in Logs.** 2017, No. 2, 9-13.

7. Boshnakov, K., C. Li, L. Fan. **Control of Certain Processes in Biological Wastewater Treatment.** 2017, No. 2, 14-17.

8. Angelov, A., N. Shakev, G. Ganev. **Photovoltaic Plant as a Complementary Source of Electrical Energy.** 2017, No. 2, 18-23.

9. Mladenov, M. **Recognition of Toxic Zones in Irregular Dairy Products Storage.** 2017, No. 2, 24-28.

10. Hadjiski, M. **Intelligent Advanced Process Control.** 2017, No. 3, 3-13.

11. Rayanov, Y., T. Nenov. **Portable Impedance Analyzer Based on AD5933 Impedance Converter.** 2017, No. 3, 14-17.

12. Georgieva-Tsaneva, G. **Hurst Exponent Analysis for Cardiological Data Using Wavelet Theory.** 2017, No. 3, 18-22.

13. Akivanov, V., I. Simeonov. **Several Applications of Programmable Controllers (PLC) in Industrial Automation.** 2017, No. 4, 3-7.

14. Hristov, V. **Increasing Opportunities on Direct Current Modular Servo System Inteco.** 2017, No. 4, 8-13.

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15. Stoeva, M., V. Bojnikova, G. Kunev. **Processing of Biometrical and Medical Image Databases.** 2017, No. 2, 29-33.

16. Atanasov, A. **Application of the IBM Watson Internet of Things Platform.** 2017, No. 2, 34-38.

17. Atanasov, A., K. Al Barznji. **Features and Challenges in Big Data Processing.** 2017, No. 3, 23-29.

18. Taneva, A., G. Gogichev, S. Penkov. **Laboratory System Development for Monitoring and Control with Web Server Industrial Informatics.** 2017, No. 4, 14-18.

19. Blagoev, I. **Methods for Solving Big Data Problems in Programming Languages R.** 2017, No. 4, 19-23.

20. Dimitrov, K., E. Dimitrov. **Security Models, Architectures and Frameworks in Heterogeneous Wireless Networks.** 2017, No. 4, 24-32.

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21. Belev, Y., I. Bachkova, G. Popov. **Intelligent Approach for Optimal Operations Scheduling in Furniture Manufacturing.** 2017, No. 2, 39-43.

22. D. Gocheva, D. Georgiev, I. Batchkova. **Requirements Definition for Manufacturing Operation Management Systems According IEC 62264 Standard.** 2017, No. 3, 30-34.

Applied Informatics

23. Dimitrov, V. **System of Monitoring and Management of the Energy Consumption in Business Center.** 2017, No. 4, 33-38.

24. Georgieva-Tsaneva, G. **Specialized Software System for Analysis of Heart Rate Variability.** 2017, No. 4, 39-46.

25. Vladimirov, M., T. Stoilov, K. Stoilova. **Assessment of Security Allocation by Classical and Black-Litterman Models for Portfolio Optimization.** 2017, No. 4, 47-51.

News, Information, Society

26. Hadjiski, M. **International Conference “Automatics and Informatics 2017”.** 2017, No. 2, 44.

27. Andreev, R. **Fourth International Conference „Big Data, Knowledge and Control Systems Engineering – Bd-KCSE'2017”.** 2017, No. 2, 45.

28. Hadjiski, M. **26th International Symposium "Control of Energy, Industrial and Ecological Systems".** 2017, No. 2, 46.

29. **New Professors in the Field of Automatics and Informatics – Prof. Dr. Alexandra Grancharova.** 2017, No. 2, 47.

30. **Honeywell. RTU2020 – Features and Specifications.** 2017, No. 2, 49-51.

31. Tsankov, Ts. **Distributing Electronic Books.** 2017, No. 3, 35-38.

32. **Honeywell. BeltAIS – Covering Defect Monitoring.** 2017, No. 3, 41-43.

33. Andreev, R. **Fifth International Conference „Big Data, Knowledge and Control Systems Engineering – Bd-KCSE'2018”.** 2017, No. 4, 52.

34. **Sofia Energy Agency Sofena. SMARTEL Intelligent Measurement and Home Automation Technologies – Training for Electricians.** 2017, No. 4, 53-54.