

VLATACOM, Research and Development Institute

Papers published in 2015

I Journal papers

Božilović, B., Todorović, B.M. and Obradović, M. (2015).“Text–Independent Speaker Recognition Using Two–Dimensional Information Entropy”, *Journal of Electrical Engineering - Elektrotehnički časopis*, 66(3), 169–173.

Hudec, M. and Vučetić, M. (2015).“Some Issues of Fuzzy Querying In Relational Databases“, *Kybernetika*, 51(6), 994-1022.

II Conference papers

Anastasijević, A., Nešković, N., Nešković, A., Čoja, D., and Budimir, Dj. (2015).“Modelling and Compensation of Power Amplifier Distortion for LTE Signals using Artificial Neural Networks”, *Proc. of 14. Symposium INFOTEH, Jahorina*, 18 – 20 March, 329-333.

Mitić, I., Božilović, B. i Todorović, B. (2015).“Upoređenje jednodimenzionalne entropije i Mel-kepstralnih koeficijenata kao metoda za prepoznavanje govornika”, *Zbornik radova 59. Konferencije za ETRAN, Srebrno jezero*, 8 – 11 jun, AU1.2.1-6.

Stanković, M., Stanković, S. and Johansson, K.H. (2015).“Distributed Blind Calibration of Sensor Networks: an Asynchronous Algorithm”, *Proc. of 2nd International Conference on Electrical, Electronic and Computing Engineering IcETTRAN, Silver Lake (Serbia)*, 8 – 11 June, AU1.4.1-6.

Trifunović, M., Solar Nikolić, D., Milićević, P., Latinović, N., Milojević, I. and Perić, M. (2015).“Laboratory Environment for Verification of Protected Multi-Gigabit Transmission Systems”, *Proc. of IEEE AFRICON Conference, Addis Ababa (Ethiopia)*, 14 – 17 September, 171-175.

Perić, M., Milićević, P., Banjac, Z. and Todorović, B.M. (2015).“An Experiment with Real-Time Data Transmission over Global Scale Mobile Voice Channel”, *Proc. of IEEE 12th International Conference on Telecommunications in Modern Satellite, Cable and Broadcast Services (IEEE TELSIS '15), Niš (Serbia)*, 14 – 17 October, 239-242.

Perić, D. and Perić, M. (2015).“Optimization of E-band IP Networks”, *Proc. of IEEE 12th International Conference on Telecommunications in Modern Satellite, Cable and Broadcast Services (IEEE TELSIS '15), Niš (Serbia)*, 14 – 17 October, 243-250.

Lekić, N., Nikolić, D., Milanović, B., Vučićević, D., Valjarević, A. and Todorović, B.M. (2015).“Impact of Radar Cross Section on HF Radar Surveillance Area:

Simulation Approach”, *Proc. of IEEE Radar Conference*, Johannesburg (South Africa), 27 – 30 October, 369-373.

Stojanović, B., Nešković, A. and Marques, O. (2015). “Fingerprint ROI Segmentation Using Fourier Coefficients and Neural Networks”, *Proc. of 23rd Telecommunications forum (TELFOR)*, Belgrade (Serbia), 24-26 November, 484-487.

Vučetić, M. and Hudec, M. (2015). “A Relational Database Role in Handling Fuzziness of Real World”, *Proc. of 23rd Telecommunications forum (TELFOR)*, Belgrade (Serbia), 24-26 November, 894-897.

Lukić, V., Makarov, A., Tao, G. and Choubey, B. (2015). “Vehicle Speed Estimation from Tracking License Plates”, *Proc. of 23rd Telecommunications forum (TELFOR)*, Belgrade (Serbia), 24-26 November, 429-432.

Unkašević, T., Perić, M. i Banjac, Z. (2015), “O osetljivost kriptografskih sistema”, *Proc. of 23rd Telecommunications forum (TELFOR)*, Belgrade (Serbia), 24-26 November, 110-113.

Papers published in 2016.

I Journal papers

Frantlović, M., Jokić, I., Lazić, Ž., Smiljanić, M., Obradov, M., Vukelić, B., Jakšić, Z. and Stanković, S. (2016). “A Method Enabling Simultaneous Pressure and Temperature Measurement Using a Single Piezoresistive MEMS Pressure Sensor”, *Measurement Science and Technology*, 27(12).

Perić, D. and Perić, M. (2016). “Low Power Consumption Digital Clock Recovery Circuit Based on Threshold Crossing”, *Journal of Electrical Engineering – Elektrotechnicky Casopis*, 67(6), 433-438.

Makarov, A., Lukić, V. and Choubey, B. (2016). “Real-Time Vehicle Speed Estimation Based on License Plate Tracking in Monocular Video Sequences”, *Sensors & Transducers*, 197(2), 78-86.

Stanković, Miloš S., Stanković, Srdjan S. and Johansson, Karl Henrik (2016). “A Consensus-Based Distributed Calibration Algorithm for Sensor Networks”, *Serbian Journal of Electrical Engineering*, 13(1), 111-132.

II Conference papers

Hudec, M. and Vučetić, M. (2016). “Conformance and Aggregations for Recommending Suitable Entities”, *Proc. of 13th International conference of Fuzzy Set Theory and Application*, Lipotvsky Jan (Slovakia), January 24-29.

Stanković, M.S., Stanković, S.S. and Johansson, K.H. (2016), "Distributed Drift Estimation for Time Synchronization in Lossy Networks", *Proc. of IEEE 24th Mediterranean Conference on Control and Automation*, Athens (Greece), June 21-24, 779-784.

Коцић, Ј., Радисављевић, М., Вујић, С. и Попадић, И. (2016). "Компаративна анализа квалитета слике камера високе осетљивости у условима слабог осветљења", *Зборник радова 60. Конференције за електронику, телекомуникације, рачунарство, аутоматiku и нуклеарну технику ЕТРАН*, Златибор, Јуни 13–16, ЕК2.1.1-6.

Nikolić, D., Stojković, N., Lekić, N., Orlić, V. and Todorović, B.M. (2016). "Integration of AIS Data and HF-OTHR Tracks in Unfavourable Environment at OTH Distances", *Proc. of 3rd International Conference on Electrical, Electronic and Computing Engineering IcETTRAN*, Zlatibor, June 13–16, TEI2.1.1-4

Todorović, R., Dašić, D. and Obradović, M. (2016) "Hybrid Power Supply System for Telecommunications Sites", *Proc. of 3rd International Conference on Electrical, Electronic and Computing Engineering IcETTRAN*, Zlatibor, June 13–16, TEI2.4.1-4.

Tošić, N., Džolić, B., Nikolić, D., Lekić, N. и Todorović, B.M. (2016). "Izazov pri projektovanju HF SW radara", *Зборник радова 60. Конференције за електронику, телекомуникације, рачунарство, аутоматiku и нуклеарну технику ЕТРАН*, Zlatibor, Јуни 13–16, TE2.1.1-5.

Popadić, I., Todorović, B.M. и Kocić, J. (2016). "Algoritam za procenu kvaliteta ekspozicije slike", *Зборник радова 60. Конференције за електронику, телекомуникације, рачунарство, аутоматiku и нуклеарну технику ЕТРАН*, Златибор, Јуни 13–16, TE1.7.1-6.

Stanković, S.S., Ilić, N., Al Ali, K.O. and Stanković, M.S. (2016), "Distributed Consensus Based IPDAF for Tracking in Vision Networks", *Proc. of IEEE International Conference on Multisensor Fusion and Integration for Intelligent Systems (MFI 2016)*, Baden-Baden (Germany), Sep. 19-21, 304-309.

Ilić, N., Al Ali, K.O., Stanković, M. and Stanković, S. (2016). "Adaptive Consensus Based Distributed Target Tracking in Camera Networks", *Proc. of 3rd International Conference on Electrical, Electronic and Computing Engineering IcETTRAN*, Zlatibor, June 13–16, AUI4.2.1-6.

Radenković, M., Stanković, M. and Stanković, S. (2016). "Stochastic Perturbation-Demodulation Based Extremum Seeking: Almost Sure Convergence Using Adaptive Step Size", *Proc. of 3rd International Conference on Electrical, Electronic and Computing Engineering IcETTRAN*, Zlatibor, June 13–16, AUI4.3.1-6.

Božilović, B. i Todorović, B.M. (2016). "Uticaj brzine uzorkovanja na dvo-dimenzionalnu entropiju zapreznog njegovornika", *Зборник радова 60. Конференције за електронику, телекомуникације, рачунарство, аутоматику и нуклеарну технику ЕТРАН*, Златибор, Јуни 13–16, АУ1.5.1-5.

Nikolić, D., Popović, Z., Borenović, M., Stojković, N., Orlić, V., Dzvонkovskaya, A. and Todorović, B.M. (2016). "Multi-Radar Multi-Target Tracking Algorithm for Maritime Surveillance at OTH Distances", *Proc. of IEEE 17th International Radar Symposium*, Krakow (Poland), May 10-12, 1-6.

Makarov, A., Lukić, V. and Rahnama, O. (2016). "Distance and Speed Measurements from Monocular Images", *Proc. of SPIE Real-Time Image and Video Processing Conference*, Volume 9897, Brussels (Belgium), April 29.

Nikolić, D., Džolić, B., Tošić, N., Lekić, N., Orlić, V.D. and Todorović, B.M. (2016). "HFSW Radar Design: Tactical, Technological and Environmental Challenges", *Proc. of 7th International Scientific Conference on Defensive Technologies (OTEH 2016)*, Belgrade, October 6-7, 350-355.

Livada, B. and Perić, D. (2016). "Imaging Detector Technology: A Short Insight in History and Future Possibilities", *Proc. of 7th International Scientific Conference on Defensive Technologies (OTEH 2016)*, Belgrade, October 6-7, 385-390.

Kocić, J., Popadić, I. and Livada, B. (2016). "Image Quality Parameters: A Short Review and Applicability Analysis", *Proc. of 7th International Scientific Conference on Defensive Technologies (OTEH 2016)*, Belgrade, October 6-7, 391-397.

Perić, D., B., Vujić, S. and Livada, B. (2016). "Multi-Sensor System Operator's Console: Towards Structural and Functional Optimization", *Proc. of 7th International Scientific Conference on Defensive Technologies (OTEH 2016)*, Belgrade, October 6-7, 398-403.

Ilić, N., Al Ali, K.O., Stanković, M.S. and Stanković, S.S. (2016). "Distributed Target Tracking in Camera Networks Using an Adaptive Strategy", *Proc. of 7th International Scientific Conference on Defensive Technologies (OTEH 2016)*, Belgrade, October 6-7, 422-427.

Džolić, B., Nikolić, D., Tošić, N., Lekić, N., Orlić, V.D. and Todorović, B.M. (2016). "System for Remote Monitoring and Control of HF-OTH Radar", *Proc. of 7th International Scientific Conference on Defensive Technologies (OTEH 2016)*, Belgrade, October 6-7, 710-714.

Popadić, I. and Todorović, B.M. (2016). "Image fusion based on the multi-exposed images", *Proc. of IEEE 24th Telecommunications Forum (TELFOR 2016)*, Belgrade, November 22-23, 739-742.

Valjarević, A., Venter, H. and Petrović, R. (2016). "ISO/IEC 27043:2015 – Role and application", *Proc. of IEEE 24th Telecommunications Forum (TELFOR 2016)*, Belgrade, November 22-23, pp. 45-48.

Stojanović, B., Marques, O., Nešković, A. and Puzović, S. (2016). "Fingerprint ROI Segmentation Based on Deep Learning", *Proc. of IEEE 24th Telecommunications Forum (TELFOR 2016)*, Belgrade, November 22-23, 368-371.

Solar-Nikolić, D., Trifunović, M., Milićević, P., Milosav, P. and Perić, M. (2016), "Methodology for Used Cryptographic Key Verification in Multi Gbit/s Encryption Systems", *Proc. of IEEE 24th Telecommunications Forum (TELFOR 2016)*, Belgrade, November 22-23, 262-265.

Stojković, N., Nikolić, D., Džolić, B., Tošić, N., Orlić, V., Lekić, N. and Todorović, B.M. (2016), "An Implementation of Tracking Algorithm for Over-The-Horizon Surface Wave Radar", *Proc. of IEEE 24th Telecommunications Forum (TELFOR 2016)*, Belgrade, November 22-23, 459-462.

Papers published in 2017.

I Books

Kovačević, B., Banjac, Z. i Đurović, Ž. (2017). *Filtracija stohastičkih signala - optimalni, adaptivni i robusni estimatori parametara i stanja*, Akademska misao, Beograd, 1-442.

II Journal papers

Perić, M., Perić, D., Todorović, B.M. and Popović, M. (2017). "Dynamic Rain Attenuation Model for Millimeter Wave Networks Analysis", *IEEE Transactions on Wireless Communications*, 16(1), 441-450.

Stojanović, B., Marques, O. and Nešković, A. (2017). "Latent Overlapped Fingerprint Separation: A Review", *Multimedia Tools and Applications*, 76(15), 16263–16290.

Stojanović, B., Nešković, A. and Marques, O. (2017). "A Novel Neural Network based Approach to Latent Overlapped Fingerprints Separation", *Multimedia Tools and Applications*, 76(10), 12775–12799.

Popadić, I., Todorović, B.M., and Reljin I.S. (2016). "Method for HDR-like Imaging using Industrial Digital Cameras", *Multimedia Tools and Applications*, 76(10), 12801–12817.

Nijemčević, S., Tasić, M.M., Livada, B., Perić, D. and Tasić, M.M. (2017). "Thermal Management Evaluation of the Complex Electro-Optical System", *Thermal Science*, 21(5), 2189-2196.

Petrović, R. (2017). "Uloga digitalne forenzike u detekciji Copy-Move napada na sliku", *InfoM*, 16(61), 40-49.

Petrović, R. i Reljin, I. (2017). "Uloga forenzike u otkrivanju zloupotrebe digitalne slike", *Crimen*, 8(1), 22-43.

III Conference papers

Tošić, N., Stojković, N., Samčović, A., Mladenović, S. i Janković, S. (2017). "Komparativna analiza video kompresije MPEG-4, H.264/AVC i H.265/HEVC standard", *Zbornik radova XVI međunarodnog naučno-stručnog simpozijuma INFOTEH*, Jahorina (Bosna i Hercegovina), Mart 22-24, 603-608.

Anuhojić, M., Pantelić, K. i Ćiprovski, D. (2017). "Uticaj sistema za detekciju saobraćajnih prekršaja na ponašanje vozača", *Zbornik radova 12. Međunarodne Konferencije "Bezbednost saobraćaja u lokalnoj zajednici"*, Tara (Serbia), April 19-22, 311-320.

Nijemčević, S., Mitrović, Č., Milovančević, M., Miloš, M. and Vorotović, G. (2017). "Wind Tunnel Testing Methodology of the Integrated Security Camera System", *Proc. of 2nd Maintenance Forum on Maintenance and Asset Management*, Bečići (Montenegro), Maj 24-26, 185-197.

Livada, B., Perić, D. and Perić, M. (2017). "Challenges of Laser Range Finder Integration in Electro-Optical Surveillance System", *Proceedings the 4th International Conference on Electrical, Electronic and Computing Engineering IcETRAN 2017, Kladovo, Serbia, June 05 – 08, 2017*, pp. EK13.3.1-6.

Perić, D. and Livada, B. (2017). "Analysis of SWIR Imagers Application in Electro-Optical Systems", *Proceedings the 4th International Conference on Electrical, Electronic and Computing Engineering IcETRAN 2017, Kladovo, Serbia, June 05 – 08, 2017*, pp. EK13.2.1-5.

Perić, D., Livada, B. and Perić, M. (2017). "Analysis and Selection of Components for Active SWIR/NIR Vision Systems", *Proceedings the 4th International Conference on Electrical, Electronic and Computing Engineering IcETRAN 2017, Kladovo, Serbia, June 05 – 08, 2017*, pp. EK13.1.1-5.

Trifunović, M., Popadić, I., Lukić, V. and Perić, M. (2017). "Unified Interfacing Solution in Video Processing Platforms Based on FPGA", *Proc. of IcETRAN, Kladovo (Serbia), Jun 5-8, 2017*, pp. EK13.4.1-6

Stojanović, B., Lukić, V., Milićević, S. Stanković, S. (2017). "Maritime Surveillance Image Enhancement: a Comparison and Improvement of Dehazing Techniques", *Proc. of IcETRAN, Kladovo (Serbia), Jun 5-8, 2017*, EK13.5.1-5.

Stanković, M., Stanković, S. and Johansson, K.H. (2017). "A New Drift Correction Algorithm for Distributed Time Synchronization", *Proc. of IcETRAN, Kladovo (Serbia), Jun 5-8, 2017*, AU11.4.1-6.

Ilić, N., Al Ali, K.O, Stanković, M. and Stanković, S. (2017). "Distributed Multi-target Tracking in Camera Networks Using Multi-step Consensus", *Proc. of IcETRAN, Kladovo (Serbia), Jun 5-8, 2017*, AU11.6.1-6.

Čoja, D., Nešković, N. and Nešković, A. (2017).“Channel Impulse Response Estimation using Vector Network Analyzer”, *Proc. of 25th IEEE Telecommunications forum (TELFOR)*, Belgrade (Serbia), November 21-22, 131-134.

Stojanović, B., Marques, O. and Nešković, A. (2017).“A Novel Synthetic Dataset for Research in Overlapped Fingerprint Separation”, *Proc. of International Conference on Image Processing Theory, Tools & Applications (IPTA)*, Montreal (Canada), November 28 - December 1, 1 – 4.

Papers published in 2018.

I. Journal papers

Stojanović, B., Marques, O. and Nešković, A. (2018).“Deep Learning Based Approach to Latent Overlapped Fingerprints Mask Segmentation”, *IET Image Processing*.

Vučetić, M. and Hudec, M. (2018).“A Fuzzy Query Engine for Suggesting the Products Based on Conformance and Asymmetric Conjunction”, *Expert Systems with Applications*, 101, July 2018, 143-158.

Stojanović, B., Milićević, S. and Stanković, S. (2018).“Improved Dehazing Techniques for Maritime Surveillance Image Enhancement”, *Serbian Journal of Electrical Engineering*, 15(1), Feb. 2018., 53-70.

Nikolić, D., Stojković, N. and Lekić, N. (2018).“Maritime over the Horizon Sensor Integration: High Frequency Surface-Wave-Radar and Automatic Identification System Data Integration Algorithm”, *Sensors*, 18(4), 1-17.

Stanković, M., Stanković, S. and Johansson, K.H. (2018).“Asynchronous Distributed Blind Calibration of Sensor Networks Under Noisy Measurements”, *IEEE Transactions on Control of Network Systems*, 5(1), 571-582.

Al Ali, K.O., Ilić, N., Stanković, M. and Stanković, S. (2018). “Consensus-Based Distributed Adaptive Target Tracking in Camera Networks using Integrated Probabilistic Data Association”, *EURASIP Journal on Advances in Signal Processing*, 1(13).

Stankovic, M.S., Stankovic, S.S. and Johansson, K.H. (2018).“Distributed Time Synchronization for Networks with Random Delays and Measurement Noise”, *Automatica*, 93, 126-137.

Al Ali, K.O., Ilić, N., Stanković and M., Stanković, S.(2018).“Distributed Target Tracking in Sensor Networks Using Multi-Step Consensus”, *IET Radar, Sonar & Navigation*, 12(9), 998-1004.

Radenković, M., Stanković M. and Stanković, S. (2018).“On Stochastic Extremum Seeking via Adaptive Perturbation–Demodulation Loop”, *Journal of Optimization Theory and Applications*.

II Conference papers

Perić, M. and Perić, D. (2018). "Cost Effective FPGA Implementation of High Bandwidth Communication Through Slip Ring Using Circular Waveguide", *Proc. of SPIE Defence and Commercial Sensing Conference*, Orlando (Florida, USA), 15-19 April 2018, Proc. Vol. SPIE 1063518., Ground/Air Multisensor Interoperability, Integration, and Networking for Persistent ISR IX, paper 1063518.

Stojanović, M., Vlahović, N., Stanković, M. and Stanković, S. (2018, March). "Object Tracking in Thermal Imaging using Kernelized Correlation Filters". *INFOTEH-JAHORINA (INFOTEH), 2018 17th International Symposium*, 1-6.

Perić, D., Livada, B., Radisavljević, M. and Vujić, S. (2018). "Performance Comparison of SWIR Vision Systems Using MTF Analysis", *Proceedings of 5th International Conference on Electrical, Electronics and Computing Engineering, IcETRAN 2018*, Palić, Serbia.

Livada, B. (2018). "Ruggedized AMLCD Display Color Gamut Corrections Possibilities", *Proceedings of 5th International Conference on Electrical, Electronics and Computing Engineering, IcETRAN 2018*, Palić, Serbia.

Vlahović, N., Stojanović, M., Stanković, M. and Stanković, S. (2018). "Adaptive Video Stabilization using Kalman filtering", *Proceedings of 5th International Conference on Electrical, Electronics and Computing Engineering, IcETRAN 2018*, Palić, Serbia.

Vlahović, N. and Đurović, Ž. (2018). "Object Tracking in Thermal Image with SURF, KLT Feature Tracker and Kalman Filter", *Proceedings of 5th International Conference on Electrical, Electronics and Computing Engineering, IcETRAN 2018*, Palić, Serbia.

Pavlović, R., Vlahović, N. and Petrović, V. (2018). "Comparative Analysis of Feature Descriptor Algorithms in Multisensor Systems", *Proceedings of 5th International Conference on Electrical, Electronics and Computing Engineering, IcETRAN 2018*, Palić, Serbia.

Petrović, P., Grbić, N., Džolić, B., Lekić, N. and Perić, M. (2018). "Software for Monitoring HFSW over The Horizon Radar", *Proceedings of 5th International Conference on Electrical, Electronics and Computing Engineering, IcETRAN 2018*, Palić, Serbia, TEI2.8.1-4.

Grbić, N., Petrović, P., Stevanović, N., Džolić, B., Nikolić, D. i Lekić, N. (2018). "Simulacija radarske površine brodova u kratkotalasnom frekventnom opsegu", *Zbornik radova Konverencije ETRAN*, Palić.

Pavlović, M., Petrović, R., Stojanović, B. and Stanković, S. (2018). "Facial Expression and Lighting Conditions Influence on Face Recognition Performance", *Proceedings of 5th International Conference on Electrical, Electronics and Computing Engineering, IcETRAN 2018*, Palić, Serbia, EK1.4.1-5.

Petrović, R., Stojanović, B., Pavlović, M. and Stanković, S. (2018). "Thermal-to-Visible Face Recognition for Illumination Invariant Systems", *Proceedings of 5th International Conference on Electrical, Electronics and Computing Engineering, IcETRAN 2018*, Palić, Serbia, EK1.4.1-5.

Nerandžić, M., Trifunović, S., Petrović, R., Stojanović, B. and Perić, M. (2018). "Educational Platform for Voip Communication Legal Eavesdropping", *Proceedings of 5th International Conference on Electrical, Electronics and Computing Engineering, IcETRAN 2018*, Palić, Serbia, TE1.5.1-4.

Ilić, N., Al Ali, K.O., Stanković, M., Stankovic S. (2018). "On Stability of Multi-step Consensus Scheme for Distributed Target Tracking in Sensor Networks *Proceedings of 5th International Conference on Electrical, Electronics and Computing Engineering, IcETRAN 2018*, Palić, Serbia, AU1.2.1-6.

Vučetić, M. and Hudec, M. (2018). "A Flexible Approach to Matching User Preferences with Records in Datasets based on the Conformance Measure and Aggregation Functions", *Proc. of International Joint Conference and Conference of Computational Intelligence*, 18-20 septembar 2018, Seville, Spain, 168-175.

Perić, D. and Livada, B. (2018). "Technical, Technological and Application Limitations of the Electro-Optical Surveillance Systems", *8th International Scientific Conference on Defensive Technologies OTEH 2018*.

Livada, B. (2018). "The Estimation of the Led Back Light Lifetime", *8th International Scientific Conference on Defensive Technologies OTEH 2018*.

Vujić, S. and Livada, B. (2018). "Target Position CEP Estimation Using Electro-optical Multisensor Surveillance System", *8th International Scientific Conference on Defensive Technologies OTEH 2018*.

Tomić, B., Perić, D., Radisavljević, M. and Vujić, S. (2018). "Reticle Integration and Camera Calibration in Multi-sensor Surveillance Systems", *8th International Scientific Conference on Defensive Technologies OTEH 2018*.

Vlahović, N., Stojanović, M., Tomić, Lj., Mišković, K., Stojanović, B. and Kovačević A. (2018). "Thermal Image Noise Reduction Post-Processing Techniques", *8th International Scientific Conference on Defensive Technologies OTEH 2018*.

Vlahović, N., Stojanović, B., Stanković, S. and Al Ali, K.O. (2018). "Dehazing Algorithms Influence on Video Stabilization Performance", *8th International Scientific Conference on Defensive Technologies OTEH 2018*.

Vlahović, N. and Pavlović, R. (2018). "UAV Tracking on Fused Thermal and Color Image", *8th International Scientific Conference on Defensive Technologies OTEH 2018*.

Vlahović, N., Ilić, N. and Stanković, S. (2018). "Deep Learning in Video Stabilization Homography Estimation", *14th Symposium on Neural Networks and Applications (NEUREL) 2018*.

Stojanović, B.,Puzović, S.,Vlahović, N.,Petrović, R. and Stanković, S. (2018). "Real-Time Multi-Sensor Infrared Imagery Enhancement", *14th Symposium on Neural Networks and Applications (NEUREL) 2018*.

Pavlović M., Stojanović, B., Petrović R. and Stanković S. (2018). "Fusion of Visual and Thermal Imagery for Illumination Invariant Face Recognition System", *14th Symposium on Neural Networks and Applications (NEUREL) 2018*.