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School of Electrical Engineering, University of Belgrade
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EDUCATION

2008-	PhD in Digital Signal Processing (Telecommunications Department), School of Electrical Engineering, University of Belgrade, Serbia. Supervisor: prof. dr. Irini Reljin.
1999-2008	Dipl. Eng. in Electrical Engineering (Telecommunications Department), School of Electrical Engineering, University of Belgrade, Serbia.
Diploma work	Sinhroni prikaz EKG signala i ultrazvučnog snimka srca (supervisor: prof. dr. Branimir Reljin).

WORK EXPERIENCE

2009-	Research assistant, Innovation center, School of Electrical Engineering, University of Belgrade.
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PROJECTS

National

2011-	III44009, MNTR , Development of embedded systems with connected services and digital technology, Project leader: prof. dr. Miodrag Temerinac.
2011-	TR32048, MNTR , Development of high-quality devices for special applications based on crystal units of new technologies, Project leader: prof. dr. Irini Reljin.

International

2008-2010	Cardiosignal processing, UVA, European Medical Research Centre Ltd., Project leader: Michael Domijan.
2009-2011	INTELLI-CHAIR (intelligent wheelchair for handicapped persons, 2496) for PF-FOUNDATION from Hong Kong.

PATENTS & PUBLICATIONS

International journals

2013	A. Gavrovska, Paskaš M. , Kovačević V., Reljin I., "Renal DMSA scan morphology analysis using undecimated wavelet transform and isocontours", <i>International Journal of Reasoning-based Intelligent Systems IJRIS</i> , Special Issue on: "Emerging Trends in Information and Communication Technologies", 2012. (paper in press) (M24)
2011	B. Reljin, M. Paskaš , I. Reljin, K. Konstanty, "Breast cancer evaluation by fluorescent dot detection using combined mathematical morphology and multifractal techniques", <i>Diagnostic Pathology</i> , Vol. 6 (S1): S21, pp. 1-6, DOI:10.1186/1746-1596-6-S1-S21, 2011. (IF 1,39) (M22)

National journals

2012	A. Gavrovska, M. Paskaš , I. Reljin, "An Example of Wavelet Denoising using Lazy Transform and the Lifting Scheme", <i>TELFOR Journal</i> , 2012. (M53)
2011	M. Paskaš , A. Gavrovska, D. Jevtić, M. Slavković, D. Dujković, I. Reljin, B. Reljin, "Echocardiogram segmentation using active contours with preprocessing step", <i>MD Medical Review</i> , Vol. 3, No. 2, pp. 205-207, Jun 2011. (M53)

2011	A. Gavrovska, Paskaš M. , Reljin I., Jevtić D., Dujković D., Reljin B., "Review of Selected Techniques for Cardiosignal Analysis", <i>MD medical review</i> , Supplement, Selected papers Maj 2009 - Mart 2011, Vol.2, No. 4, pp. 341-347, April 2011. and <i>MD medical review</i> , December 2010. (M53)
2010	A. Gavrovska, M. Paskaš , I. Reljin, "Determination of Morphologically Characteristic PCG Segments from Spectrogram Image", <i>TELFOR Journal</i> , Vol.2, No.2, str. 74-77, 2010. (M53)
2009	M. Paskaš , "Two Approaches for Log-Compression Parameter Estimation: Comparative Study", <i>Serbian Journal of Electrical Engineering</i> , Vol.6, No.3, pp. 419-425, UDK: 621.391:621.386, Dec. 2009. (M53)

- *International conferences*

2012	M. Paskaš , M. Lutovac, D. Dujković, I. Reljin, B. Reljin, "Computer Model for Analysis and Re-design of Crystal Filters", <i>In Proc. Small Systems Simulation Symposium 2012</i> , Niš, Feb. 12-14, 2012. (M33)
2012	M. Paskaš , A. Gavrovska, M. Milivojević, B. Reljin, "Image Analysis Using Modified Multifractal Measure Based on Sigmoid Function", <i>In Proc. NEUREL 2012 Symposium</i> , Belgrade, Sep. 20-22, 2012. (M33)
2011	M. Paskaš , A. Gavrovska, D. Jevtić, M. Slavković, B. Reljin. "Edge Examination using Hölder Exponent and Image Statistics", <i>In Proc. TELSISKS 2011</i> , pp. 329-332, Oct. 5-8, 2011. (M33)
2011	A. Gavrovska, M. Paskaš , V. Kovačević, I. Reljin, "Renal DMSA Scan Morphology Analysis using Undecimated Wavelet Transform and Isocontours", <i>In Proc. TELSISKS 2011</i> , str. 333-336, 2011. (M33)
2010	V. Kovačević, A. Gavrovska, M. Paskaš , "High-speed Implementation of Hamming Neural Network", <i>In Proc. 10th Conference NEUREL 2010</i> , str.167-170, Beograd, Sep. 23-25, 2010. (M33)
2010	A. Gavrovska, M. Paskaš , D. Dujković, I. Reljin, "Region-based Phonocardiogram Event Segmentation in Spectrogram Image", <i>In Proc. NEUREL 2010</i> , pp.69-72, Beograd, Sep. 23-25, 2010. (M33)
2010	P. Molcer, M. Paskaš , V. Delić, B. Reljin, "Implementation of cellular neural networks in image preprocessing for left ventricular filling velocity evaluation", <i>In Proc. 8th International Symposium on Intelligent Systems and Informatics (SISY)</i> , Sep. 10-11, 2010. (M33)

- *National conferences*

2012	M. Paskaš , D. Dujković, I. Reljin, S. Dedić Nešić, L. Grubišić, "Analiza i modelovanje kristalnih filtara", <i>In Proc. ETRAN 2012</i> , Zlatibor, Jun 11-14, 2012. (M63)
2012	M. Slavković, N. Reljin, M. Paskaš , A. Gavrovska, "Electronic patient record for ophthalmology clinic", <i>In Proc. ETRAN 2012. ETRAN</i> , Zlatibor, Jun 11-14, 2012. (M63)
2011	M. Paskaš , A. Gavrovska, M. Slavković, B. Reljin, "Echocardiograms segmentation using active contours", <i>In Proc. ETRAN 2011</i> , Teslić, Jun 6-9, 2011. (M63)
2011	D. Jevtić, M. Paskaš , M. Avramov-Ivić, G. Plavec, S. Petrović, "Statistical analysis of the UV/VIS spectra of pleural effusions obtained by UV-vis diagnostic method", <i>In Proc. ETRAN 2011</i> , Teslić, Jun 6-9, 2011. (M63)

2011	M. Slavković, M. Paskaš , D. Jevtić, B. Reljin, N. Reljin "Automated algorithm for processing of FISH images", <i>In Proc. TELFOR 2011</i> , pp. 623-626, Beograd, Nov. 22-24. 2011. (M63)
2011	D. Jevtić, M. Paskaš , "Application of Katz Algorithm for Fractal Dimension in Analysis of Room Impulse Response", <i>In Proc. TELFOR 2011</i> , pp.1063-1066, Beograd, Nov. 22-24. 2011. (M63)
2011	A. Gavrovska, M. Paskaš , I. Reljin, "An Example of Wavelet Denoising using Lazy Transform and the Lifting Scheme", <i>In Proc. TELFOR 2011</i> , pp. 615-618, Beograd, Nov. 22-24. 2011. (M63)
2010	M. Paskaš , A. Gavrovska, M. Mijić, B. Reljin, "Qualitative Analysis of Texture of Room Impulse Response using Fractal Dimension", <i>In Proc. TELFOR 2010</i> , pp. 594-597, Beograd, Nov. 23-25, 2010. (M63)
2010	A. Gavrovska, M. Paskaš , D. Dujković, I. Reljin, "Whole Fundamental Heart Sound ANN-based Detection using Simple Features", <i>In Proc. TELFOR 2010</i> , pp. 571-574, Beograd, Nov. 23-25, 2010. (M63)
2010	M. Paskaš , A. Gavrovska, B. Reljin, M. Domijan, "Ultrasound image processing using cellular neural networks", <i>In Proc. ETRAN 2010</i> , Donji Milanovac, Jun 15-18, 2010. (M63)
2010	A. Gavrovska, M. Paskaš , D. Dujković, B. Reljin, "Review of basic methods for initial relevant component extraction in marker detection", <i>In Proc. ETRAN 2010</i> , Donji Milanovac, Jun 15-18, 2010. (M63)
2010	M. Paskaš , A. Gavrovska, D. Dujković, B. Reljin, "An example of algorithm for detection and recognition of augmented reality markers", <i>In Proc. INFOTEH 2010</i> , Vol. 9, Ref. A-21, pp. 101-104, Jahorina, March 17-19, 2010. (M63)
2010	A. Gavrovska, M. Paskaš , I. Reljin, "Direct scalogram image application in morphologically characteristic PCG segments determination", <i>In Proc. INFOTEH 2010</i> , Vol. 9, Ref. E1-13, pp. 949-953, Jahorina, March 17-19, 2010. (M63)
2010	M. Paskaš , A. Gavrovska, D. Dujković, B. Reljin, "Marker detection in augmented reality environment", <i>In Proc. YUINFO 2010</i> , Kopaonik, March 3-6, 2010. (M63)
2009	A. Gavrovska, M. Paskaš , I. Reljin, "Determination of morphologically characteristic PCG segments from spectrogram image", <i>In Proc. TELFOR 2009</i> , pp. 656-659, Beograd, 24-26. Nov. 2009. (M63)
2009	M. Paskaš , A. Gavrovska, B. Reljin, "The influence of the number of iterations in SRAD filter on the quality of reconstructed ultrasound images", <i>In Proc. TELFOR 2009</i> , pp. 644-647, Beograd, Nov. 24-26, 2009. (M63)
2009	M. Paskaš , "Two approaches for log-compression parameter estimation comparison", <i>In Proc. ETRAN 2009</i> , Vrnjačka Banja, Jun 15-18, 2009. (M63)
2009	D. Jevtić, D. Dujković, S. Dedić-Nešić, M. Paskaš , I. Reljin, "Primena kristalnih jedinki u digitalnoj TV", <i>In Proc. YUINFO 2009</i> , Kopaonik, March 8-11, 2009. (M63)
2009	M. Paskaš , D. Jevtić, D. Dujković, "Synchronization of ECG and ultrasound video signals", <i>In Proc. YUINFO 2009</i> , Kopaonik, March 8-11, 2009. (M63)

- *Technical solutions (software)*

2012	Marijeta Slavković, Branimir Reljin, Irini Reljin, Ana Gavrovska, Milorad Paskaš , "Software for detection, segmentation and analysis of masses in digital mammograms", 2012. (M85)
2012	Marijeta Slavković, Branimir Reljin, Irini Reljin, Ana Gavrovska, Milorad Paskaš , "Implementation of electronic patient records in ophthalmology", 2012. (M85)

PROFESSIONAL DEVELOPMENT

- 2011 IEEE International Measurement University (IMU), July 18-23 2011, Trento, Italy (3.0 IEEE CEUs or 30PDHs through IEEE).
- Multilingual and Multifaceted Interactive Information Access (MUMIA) Training School 2012, COST IC1002, September 24-28 2012, Olympiada, Chalkidiki, Greece.
- High Dynamic Range Imaging (HDRi) Training School, COST IC1005, October 7-10 2012, Rennes, France.

PROFESSIONAL MEMBERSHIPS

- IEEE Student Member
- ETRAN Society Member
- IPTM (Image Processing, Telemedicine and Multimedia) Group Member

REVIEWER

- Advances in Artificial Neural Systems, Hindawi Publishing Corporation (<http://www.hindawi.com>)
- TELFOR Conference (<http://www.telfor.rs>)
- NEUREL Symposium (<http://neurel.etf.rs>)

LANGUAGES

- English (fluent)
- French (good)

OTHER

- NEUREL Symposium Organizing Committee Member