

Lista de lucrări în domeniul de studii universitare de licență Calculatoare

Numele și prenumele: Szabó László Zsolt

A. Teza de doctorat.

Computer based analysis of elementary calcium events, Universitatea Debrecen, Institutul de Matematică-Informatică, 2013.

B. Cărți publicate

B1. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate la edituri recunoscute în străinătate.

B2. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

B3. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate la alte edituri sau pe plan local.

B4. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

1. Szabó László Zsolt, Shell vagy héjprogramozás (Programare shell), 2011, Kelet-Magyarországi Informatika Tananyag Tárház, în cadrul cadrul grantului TÁMOP-4.1.2-08/1/A-2009-0046, Universitatea Debrecen.
2. Curs și lucrări de laborator pentru cursul: Utilizare UNIX și programare shell (Sisteme de operare I) , 1 maghiara, URL: accesibil prin sistemul Moodle al facultății.
3. Curs și lucrări de laborator pentru cursul: Tehnologii Web , 1 maghiara, accesibil prin sistemul Moodle al facultății.
4. Lucrări de laborator pentru cursul: Sisteme de operare II , 1 maghiara, URL: accesibil prin sistemul Moodle al facultății.

B5. Capitle de cărți publicate în străinătate

1. Margit Antal, László Zsolt Szabó, Győző Nemes: Predicting User Identity and Personality Traits from Mobile Sensor Data, Information and Software Technologies Volume 639 of the series Communications in Computer and Information Science pp 163-173, Springer.

B6. Capitle de cărți publicate în țară

C. Lucrări științifice publicate

C1. Lucrări științifice publicate în reviste cotate ISI

1. Margit Antal, **László Zsolt Szabó**, Tünde Tordai (2018). Online Signature Verification on MOBISIG Finger-Drawn Signature Corpus. *Mobile Information*

Systems, Volume 2018 (2018), Article ID 3127042, 15 pages
<https://doi.org/10.1155/2018/3127042>

2. Margit Antal, Zsolt Bokor, **László Zsolt Szabó**. Information revealed from scrolling interactions on mobile devices. *Pattern Recognition Letters*, 2015. Volume 56, 15 April 2015, Pages 7–13
3. Dóra Bodnár, Nikolett Geyer, Olga Ruzsnavszky, Tamás Oláh, Bence Hegyi, Mónika Sztretye, János Fodor, Beatrix Dienes, Ágnes Balogh, Zoltán Papp, **László Szabó**, Géza Müller, László Csernoch, Péter Szentesi. Hypermuscular mice with mutation in the Myostatin gene display altered calcium signalling. *The Journal of physiology*. (2014) Volume 592, Issue 6, pages 1353–1365, 15 March 2014, DOI: 10.1113/jphysiol.2013.261958.
4. **László Zsolt Szabó**, János Vincze, László Csernoch, Péter Szentesi. Improved spark and ember detection using stationary wavelet transforms. *Journal of Theoretical Biology* (2010), 2010 Jun 21;264(4):1279-92. doi:10.1016/j.jtbi.2010.04.005
5. János Almássy, Mónika Sztretye, Balázs Lukács, Beatrix Dienes, **László Szabó**, Péter Szentesi, Guy Vassort, László Csernoch, István Jóna. Effects of K-201 on the calcium pump and calcium release channel of rat skeletal muscle, *Pflügers Archive European Journal of Physiology*, DOI 10.1007/s00424-008-0504-7. , 2008.
6. Balázs Lukács, Mónika Sztretye, János Almássy, Sándor Sárközi, Beatrix Dienes, Kamel Mabrouk, Cecilia Simut, **László Szabó**, Péter Szentesi, Michel De Waard, Michel Ronjat, István Jóna and László Csernoch: Charged surface area of maurocalcine determines its interaction with the skeletal ryanodine receptor, *Biophysical Journal* 95:3497-3509 (2008)
7. János Fodor, Mónika Gönczi, Mónika Sztretye, Beatrix Dienes, Tamás Oláh, **László Szabó**, Eszter Csoma, Péter Szentesi, Gyula P Szigeti, Isabelle Marty, László Csernoch: Altered expression of triadin 95 causes parallel changes in elementary Ca²⁺ release events and global Ca²⁺ signals in skeletal muscle cells in culture, *The Journal of Physiology*, published October 9, 2008. DOI: 10.1113/jphysiol.2008.160457
8. Gyula Péter Szigeti, János Almássy, Mónika Sztretye, Beatrix Dienes, **László Szabó**, Péter Szentesi, Guy Vassort., Sándor Sárközi, László Csernoch, István Jóna. Alterations in the calcium homeostasis of skeletal muscle from postmyocardial infarcted rats. *Pflügers Archive European Journal of Physiology*, 455, 541-553. 2007

C2. Lucrări științifice publicate în reviste indexate în baze de date internaționale (indicați și baza de date).

C3. Lucrări științifice publicate în reviste din străinătate (altele decât cele menționate anterior).

C4. Lucrări științifice publicate în reviste din țară, recunoscute CNCSIS (altele decât cele din baze de date internaționale).

C5. Lucrări științifice publicate în reviste, altele decât cele menționate anterior

C6. Lucrări științifice publicate în volumele manifestărilor științifice

1. Isvtán Ágoston, László Zsolt Szabó: Keystroke dynamics based secondary authentication module for PHP web applications, SZÁMOKT 2018, 28th International Conference on Computers and Education, Băile Tușnad, 11-14 October 2018.
2. Collet, C., Simut, C., Takacs, M., Szabo, L., Szentesi, P., & Csernoch, L. (2018). Subcellular Calcium Events and Calcium Waves in Leg Skeletal Muscle Fibers Isolated From the Honey Bee *Apis Mellifera*. *Biophysical Journal*, 114(3), 289a.
3. Margit Antal, László Zsolt Szabó. Some remarks on a set of information theory features used for on-line signature verification. SDFS 2017 : 2017 5th International Symposium on Digital Forensic and Security, 26-28 April 2017, Tîrgu-Mures, Romania.
4. Margit Antal, László Zsolt Szabó, On-line verification of finger drawn signatures, 2016 IEEE 11th International Symposium on Applied Computational Intelligence and Informatics (SACI), 12-14 May 2016, Timisoara, Romania.
5. Margit Antal, László Zsolt Szabó, Biometric authentication based on touchscreen swipe patterns, 9th International Conference Interdisciplinarity in Engineering, INTER-ENG 2015, 8-9 October, 2015, Tîrgu-Mures, Romania.
6. Margit Antal, László Zsolt Szabó, An evaluation of one-class and two-class classification algorithms for keystroke dynamics authentication on mobile devices, Proceedings of the 20th International Conference on Control Systems and Computer Science, 27-29 May 2015, Faculty of Automatic Control and Computers, University "Politehnica" of Bucharest, Romania, CSCS20, pp. 343-350.
7. Margit Antal, László Zsolt Szabó, Izabella László, Keystroke Dynamics on Android Platform (2014), 8th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014, 9-10 October 2014, Tîrgu Mures, Romania.
8. ANTAL Margit, SZABO Laszlo Zsolt, LASZLO Izabella (2014), Billentyűzési ritmus alapú azonosítás és hitelesítés érintőképernyős mobil eszközön (Keystroke dynamics identification and authentication on mobile devices), XXIV. International Conference on Computers and Education), SZAMOKT, 2014. Oct.9-12., Odorheiu Secuiesc, Romania, pp. 131-136, ISSN 1842-4546
9. Margit Antal, László Zsolt Szabó, Zsolt Bokor, Identity Information Revealed From Mobile Touch Gestures (2014), STUDIA UNIV. BABES_BOLYAI, INFORMATICA, Volume LIX, Special Issue 1, 2014, 10th Joint Conference on Mathematics and Computer Science, Cluj-Napoca, May 21-25, 2014, pp. 5 -14.
10. János Vincze, László Z. Szabó, Beatrix Dienes, Péter Szentesi, László Csernoch. Increased Accuracy of Calcium Spark Parameter Detection using High-Speed Confocal Microscopy, *Biophysical Journal* 01/2014; 106(2):532a.
11. Peter Szentesi, Janos Vincze, Dora Bodnar, Laszlo Szabo, Beatrix Dienes, Henrietta Cserne Szappanos, Martin F. Schneider, Laszlo Csernoch: Caffeine and depolarization alters the morphology of calcium spark in amphibian skeletal

- muscle, EBSA, 8th European Biophysics Congress, August 23rd–27th 2011, Budapest, in European Biophysical Journal (2011) 40 (Suppl 1) S35-S241.
12. P. Szentesi, J. Vincze, D. Bodnar, L. Szabo, B. Dienes, H. Cserne-Szappanos, M.F. Schneider & L. Csernoch: Spatio-temporal morphology of calcium sparks recorded on intact amphibian skeletal muscle fibres. Joint Australian Physiological Society/ASCEPT/HBPRCA Meeting, Perth 2011, Proceedings of the Australian Physiological Society, Volume 42, ISSN 0067-2084, 2011.
 13. L. Zs. Szabó, J. Vincze, P. Szentesi, L. Csernoch. Algorithms for analysis of calcium events from muscle on confocal microscopy images using stationary wavelet transforms, Number Theory and its Applications, october 4-8, 2010, Debrecen, Hungary.
 14. László F. Márton, László Szabó, Margit Antal, Katalin György. Analysis of Neuroelectric Oscillations of the Scalp EEG Signals. Proceedings of the MACRO 2010 International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics, May 13-14, Tg-Mures, Romania.
 15. Laszlo Zs. Szabo, Janos Vincze, Peter Szentesi, Laszlo Csernoch. Fine tuning of algorithms using the a trous wavelet transform in confocal microscopy line scan image analysis. MACRO 2009, International Conference On Recent Achievements in Mechatronics, Automation, Computer Sciences and Robotics. March 20-21 2009, Tg-Mures.
 16. Janos Vincze, Laszlo Szabo, Laszlo Csernoch, Peter Szentesi: Reliable methods for spark and ember detection using stationary wavelet transform. Folia Medica Cassoviensia. 2009 Jun;64(1 Suppl. 1):65. ISMCK'09, 22-25 June 2009, Kosice.
 17. L. Zs. Szabo: UNIX alapú rendszerek használatának oktatása a műszaki informatikus és informatikusképzésben, Informatika a felsőoktatásban Konferencia, Debrecen, 2008. augusztus 27-29, ISBN 978-963-473-120-0
 18. Szabó, L. Z., Dienes, B., Csernoch, L., An image analyser program written in MATLAB to detect and analyse calcium sparks, Proceedings of the 7th International Conference on Applied Informatics Eger, Hungary, 2007.
 19. Csernoch L. , Fodor J., Fehér M. , Dienes B., Deli T. , Szentesi P, **Szabó L.** , Marty I. Suppressed SR calcium release and modified elementary calcium release events in Triadin-overexpressing cultured myotubes, BIOPHYSICAL JOURNAL 79A-79A Suppl. S, JAN 2007
 20. Fehér M., Dienes B., Szabó L., Szentesi P., Csernoch L., Harántcsíkkolt izomrostok kalciumhomeosztázisának vizsgálata egy alacsony affinitású kalciumpuffer jelenlétében, Magyar Élettani Társaság Vándorgyűlése, Szeged 2006.

D. Traduceri de cărți, capitole de cărți, alte lucrări științifice

E. Editare, coordonare de volume

F. Inventii.

G. Contracte de cercetare (menționați calitatea de director sau membru)

1. IPC Universitatea Sapientia, Cluj-Napoca. Analiză privind calitatea mostrelor biometrice colectate pe dispozitive mobile 1 martie 2017 - 30 august 2018., director.

2. IPC Universitatea Sapientia, Cluj-Napoca. Identificare biometrică utilizând ecranul tactil , 1 ianuarie - 30 octombrie 2014., membru.
3. Universitatea Pannon, Veszprém, Ungaria, proiect TÁMOP-4.2.2.C-11. Elaborare metode de protecție a datelor în cazul utilizatorilor de dispozitive mobile. 1 septembrie 2014 - 30 martie 2015, membru.
4. IPC Universitatea Sapientia, Cluj-Napoca. Cercetarea, dezvoltarea și utilizarea procedurilor și a instrumentației de control în timp real al unor sisteme pe baza semnalelor neurobiologice, 2010-2011 membru.

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