

Research Papers

Ovidiu-Andrei Schipor

The Most Relevant 10 Research Papers

1. Schipor, O. A., & Vatavu, R. D. (2023). GearWheels: A Software Tool to Support User Experiments on Gesture Input with Wearable Devices. *International Journal of Human-Computer Interaction*, 39(18), 3527-3545, IF: 4.70, Q1.
2. Schipor, O. A., Bilius, L. B., & Vatavu, R. D. (2022, April). WearSkill: personalized and interchangeable input with wearables for users with motor impairments. In *Proceedings of the 19th International Web for All Conference* (pp. 1-5). ACM.
3. Schipor, O. A., Vatavu, R. D. (2021). Empirical results for high-definition video and augmented reality content delivery in hyper-connected cars. *Interacting with Computers*, 33(1), 3-16, IF: 1.623.
4. Schipor, O. A., Vatavu, R. D., Wu, W. (2019). Sapiens: Towards software architecture to support peripheral interaction in smart environments. *Proceedings of the ACM on Human-Computer Interaction*, 3(EICS), 1-24. ACM.
5. Schipor, O. A., Vatavu, R. D., Vanderdonckt, J. (2019). Euphoria: A Scalable, event-driven architecture for designing interactions across heterogeneous devices in smart environments. *Information and Software Technology*, 109, 43-59, IF: 3.862, Q1.
6. Schipor, O. A., Vatavu, R. D. (2018). Invisible, inaudible, and impalpable: users' preferences and memory performance for digital content in thin air. *IEEE Pervasive Computing*, 17(4), 76-85, IF: 3.813, Q1.
7. Gherman, O., Schipor, O., Gheran, B. F. (2018, May). VERGE: A system for collecting voice, eye gaze, gesture, and EEG data for experimental studies. In *2018 International Conference on Development and Application Systems (DAS)* (pp. 150-155).
8. Mocanu, I., Schpor, O. A., Cramariuc, B., Rusu, L. (2017). Mobile@ Old: A smart home platform for enhancing the elderly mobility. *Advances in Electrical and Computer Engineering*, 17(4), 19-26, IF: 0.825.
9. Schipor, O. A., Pentiuc, S. G., Schipor, M. D. (2012). Toward automatic recognition of children's affective state using physiological parameters and fuzzy model of emotions. *Advances in Electrical and Computer Engineering*, 12(2), 47-50, IF: 0.825.
10. Schipor, O. A., Pentiuc, S. G., Schipor, M. D. (2011, May). Towards a multimodal emotion recognition framework to be integrated in a Computer Based Speech Therapy System. In *2011 6th Conference on Speech Technology and Human-Computer Dialogue (SpeD)* (pp. 1-6). ISI.

Ph.D. Thesis

1. Contribution to the Development of Computer Based Speech Therapy System , "Ștefan cel Mare" University of Suceava, Romania, advisor: Prof. Ștefan-Gheorghe Pentiuc

Books and Chapters

1. Fundamentals of Front-End Web Development. A Study Guide, "Ștefan cel Mare" University of Suceava Press, 2022, Schipor Ovidiu-Andrei
2. Pentiuc, S.G., Schipor, O.A. (2021). Structuri de date și algoritmi. Ghid de lucrări practice, Editura Universității Ștefan cel Mare din Suceava
3. Schipor, O., Geman, O., Chiuchisan, I., & Covasa, M. (2016). From fuzzy expert system to artificial neural network: Application to assisted speech therapy. *Artificial Neural Networks: Models and Applications*.
4. Schipor, O., Gîză-Belciug, F. (2014). Sisteme Expert Fuzzy - teorie și aplicații în domeniul terapiei asistate a tulburărilor de pronunție, MatrixROM, ISBN 978-606-25-0078-8.
5. Gîză-Belciug, F., Turcu, C., Pentiuc, S. G., Schipor, O. A. (2014). Interoperabilitatea sistemelor distribuite, aplicații și studii de caz privind tehnicile de interoperabilitate a sistemelor distribuite, MatrixROM, ISBN 978-606-25-0100-6.

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- Schipor, O. A., Pentiuc, S. G., Gîză-Belciug, F. (2014). *Limbajul C, Tehnici de programare eficientă, MatrixROM*, ISBN 978-606-25-0094-8.

Articles in Journals

- Pamparău, C., Schipor, O. A., Dancu, A., & Vatavu, R. D. (2023). SAPIENS in XR: operationalizing interaction-attention in extended reality. *Virtual Reality*, 1-17.
IF=4.20, Q1
- Schipor, O. A., & Vatavu, R. D. (2023). GearWheels: A Software Tool to Support User Experiments on Gesture Input with Wearable Devices. *International Journal of Human-Computer Interaction*, 39(18), 3527-3545.
IF=4.70, Q1
- Vatavu, R. D., Rusu, P. P., Schipor, O.A. & Schipor, M. D. (2021). Preferences of people with visual impairments for augmented and mediated vision: A vignette experiment. *Multimedia Tools and Applications*
IF=2.757, Q2
- Schipor, O.A., Vatavu, R. D. (2021). Empirical Results for High-definition Video and Augmented Reality Content Delivery in Hyper-connected Cars. *Interacting with Computers*.
IF=1.036
- Popovici, I., Schipor, O. A., & Vatavu, R. D. (2019). Hover: Exploring cognitive maps and mid-air pointing for television control. *International Journal of Human-Computer Studies*, 129, 95-107.
IF=2.006, Q2
- Schipor, O. A., Vatavu, R. D., & Vanderdonckt, J. (2019). Euphoria: A Scalable, event-driven architecture for designing interactions across heterogeneous devices in smart environments. *Information and Software Technology*, 109, 43-59.
IF=2.921, Q1
- Schipor, O. A., & Vatavu, R. D. (2018). Invisible, inaudible, and impalpable: users' preferences and memory performance for digital content in thin air. *IEEE Pervasive Computing*, 17(4), 76-85.
IF=3.813, Q1
- Mocanu, I., Schpor, O. A., Cramariuc, B., & Rusu, L. (2017). Mobile@ Old: A Smart Home Platform for Enhancing the Elderly Mobility. *Adv. in Electrical and Computer Engineering*, 17(4), 19-27.
IF=0.650
- Schipor, O. A., Wu, W., Tsai, W. T., & Vatavu, R. D. (2017). Software architecture design for spatially-indexed media in smart environments. *Advances in Electrical and Computer Engineering*, 17(2), 17-23.
IF=0.650
- Schipor, O. A., Pentiuc, S. G., & Schipor, M. D. (2012). Automatic assessment of pronunciation quality of children within assisted speech therapy. *Engineering, Electrical & Electronic*, 122(6), 15-18.
IF=0.684
- Schipor, O. A., Pentiuc, S. G., & Schipor, M. D. (2012). Toward Automatic Recognition of Children's Affective State Using Physiological Parameters and Fuzzy Model of Emotions. *Advances in Electrical and Computer Engineering*, 12(2), 47-50.
IF=0.650
- Schipor, O. A., Pentiuc, S. G., & Schipor, M. D. (2011). The utilization of feedback and emotion recognition in computer based speech therapy system. *Engineering, Electrical & Electronic*, 109(3), 101-104.
IF=0.684
- Danubianu, M., Pentiuc, S. G., Schipor, O. A., & Tobolcea, I. (2010). Advanced Information Technology-support of improved personalized therapy of speech disorders. *International Journal of Computers Communications & Control*, 5(5), 684-692.
IF=1.585
- Pentiuc, S. G., Tobolcea, I., Schipor, O. A., Danubianu, M., & Schipor, D. M. (2010). Translation of the speech therapy programs in the Logomon assisted therapy system. *Advances in Electrical and Computer Engineering*, 10(2), 48-52.
IF=0.650

15. Schipor, M. D., Pentiu, S. G., & Schipor, O. A. (2010). End-User Recommendations on LOGOMON-a Computer Based Speech Therapy System for Romanian Language. *Advances in Electrical and Computer Engineering*, 10(4), 57-60.
IF=0.650
16. Schipor, O. A., Pentiu, S. G., & Schipor, M. D. (2012). Improving computer based speech therapy using a fuzzy expert system. *Computing and Informatics*, 29(2), 303-318.
IF=0.421
17. Pentiu, S. G., Schipor, O. A., Danubianu, M., Schipor, M. D., & Tobolcea, I. (2010). Speech Therapy Programs for a Computer Aided Therapy System. *Engineering, Electrical & Electronic*, 103(7), 87-90.
IF=0.684

Papers in Conferences

1. Vatau, R. D., Schipor, O. A. (2022). Formalizing Digital Proprioception for Devices, Environments, and Users. In: Novais, P., Carneiro, J., Chamoso, P. (eds) *Ambient Intelligence – Software and Applications – 12th International Symposium on Ambient Intelligence. ISAmI 2021. Lecture Notes in Networks and Systems*, vol 483. (Springer)
2. Schipor, O. A., Biliu, L. B., Ungurean, O. C., Șean, A. I., Andrei, A. T., & Vatau, R. D. (2022, April). Personalized wearable interactions with WearSkill. In *Proceedings of the 19th International Web for All Conference* (pp. 1-2).
3. Schipor, O. A., Biliu, L. B., & Vatau, R. D. (2022, April). WearSkill: personalized and interchangeable input with wearables for users with motor impairments. In *Proceedings of the 19th International Web for All Conference* (pp. 1-5).
4. Schipor, O. A., & Vatau, R. D. (2021, May). Software Architecture Based on Web Standards for Gesture Input with Smartwatches and Smartglasses. In *20th International Conference on Mobile and Ubiquitous Multimedia* (pp. 186-188).
5. Aiordăchioae, A., Schipor, O. A., & Vatau, R. D. (2020, May). An Inventory of Voice Input Commands for Users with Visual Impairments and Assistive Smartglasses Applications. In *2020 International Conference on Development and Application Systems (DAS)* (pp. 146-150). IEEE.
6. Schipor, O. A., & Aiordăchioae, A. (2020, May). Engineering Details of a Smartglasses Application for Users with Visual Impairments. In *2020 International Conference on Development and Application Systems (DAS)* (pp. 157-161). IEEE.
7. Schipor, O. A., Vatau, R. D., & Wu, W. (2019, October). Integrating Peripheral Interaction Into Augmented Reality Applications. In *2019 IEEE International Symposium on Mixed and Augmented Reality Adjunct (ISMAR-Adjunct)* (pp. 358-359). IEEE.
8. Schipor, O. A., & Vatau, R. D. (2019). Towards Interactions with Augmented Reality Systems in Hyper-Connected Cars. *HCI Engineering – Methods and Tools for Advanced Interactive Systems and Integration of Multiple Stakeholder Viewpoints*, Valencia, Spain, June 18, 2019.
9. Schipor, O. A., Vatau, R. D., & Wu, W. (2019). Sapiens: Towards software architecture to support peripheral interaction in smart environments. *Proceedings of the ACM on Human-Computer Interaction*, 3(EICS), 1-24.
10. Gherman, O., Schipor, O., & Gheran, B. F. (2018, May). VERGE: A system for collecting voice, eye gaze, gesture, and EEG data for experimental studies. In *2018 International Conference on Development and Application Systems (DAS)* (pp. 150-155). IEEE.
11. Mocanu, I., & Schipor, O. A. (2017). A serious game for improving elderly mobility based on user emotional state. In *The International Scientific Conference eLearning and Software for Education (Vol. 2, p. 487)*. "Carol I" National Defence University.
12. Schipor, O. A., & Mocanu, I. (2016). Making E-Mobility Suitable for Elderly. In *The International Scientific Conference eLearning and Software for Education (Vol. 1, p. 283)*. "Carol I" National Defence University.
13. Schipor, M. D., & Schipor, O. A. (2015). Building E-PET - Could Emotions Personal Trainer Become a Reality?. In *The International Scientific Conference eLearning and Software for Education (Vol. 1, p. 581)*. "Carol I" National Defence University.
14. Schipor, O. A. (2014). Improving computer assisted speech therapy through speech-based emotion recognition. In *Conference proceedings of eLearning and Software for Education «(eLSE) (No. 01, pp. 101-104)*. "Carol I" National Defence University Publishing House.

15. Schipor, O. A., Pentiu, S. G., & Schipor, M. D. (2011, May). Towards a multimodal emotion recognition framework to be integrated in a Computer Based Speech Therapy System. In 2011 6th Conference on Speech Technology and Human-Computer Dialogue (SpeD) (pp. 1-6). IEEE.
16. Schipor, O. A., Schipor, D. M., & Crişmariu, E. (2013). Measuring similarities between external and self emotion evaluation in the case of assisted speech therapy of children. *Procedia-Social and Behavioral Sciences*, 84, 754-758.
17. Schipor, O. A., Pentiu, S. G., & Schipor, M. D. (2011). Using a Fuzzy Emotion Model in Computer Assisted Speech Therapy. In *Third International Conference on Software, Services and Semantic Technologies S3T 2011* (pp. 189-193). Springer, Berlin, Heidelberg.
18. Schipor, O. A., & Schipor, M. D. (2009). The Attitude of the Education Community on the Computer Base Speech Therapy Systems. In *Proceedings of Educational Sciences–Dynamic and Perspectives Conference* (pp. 330-336).
19. Schipor, O., Giza, F., Pentiu, S., Belciug, C., & Nestor, T. (2009). Software package with exercises for therapy of children with dyslalia. *Optoelectronic information and energy tech.*, (1), 17.
20. Pentiu, S., Schipor, O., Danubianu, M., & Schipor, M. (2008). Automatic Recognition of Dyslalia Affecting Pre-Schoolers. *Ecumict-2008, Gent, Belgium*, ISSB, 317-326.
21. Schipor, O. A., Pentiu, S. G., Schipor, M. D. (2008), Knowledge Base of an Expert System Used for Dyslalic Children Therapy, In *2018 Int. Conference on Development and Application Systems (DAS)*, pp. 305-308.

