Publications by Björn W. Schuller

28 August 2019

Current h-index: 73 (source: Google Scholar)
Current citation count: 25,322 (source: Google Scholar)

(IF): Journal Impact Factor according to Journal Citation Reports, Thomson Reuters.

Acceptance rates of satellite workshops may be subsumed with the main conference.

A) BOOKS

Books Authored (7):


Books Edited (5):


Contribution to Books (47):


49) B. Schuller, F. Dibiasi, F. Eyben, and G. Rigoll, “Music


B) REFEREE JOURNAL PAPERS (150)


Audio, Speech and Language Processing, vol. 22, pp. 1037–1046, June 2014. (IF: 2.950 (2017))


C) REFEREED CONFERENCE PROCEEDINGS

Contributions to Conference Proceedings (481):


volutionary Generative Adversarial Networks and Sequence to Sequence Autoencoders for Acoustic Scene Classification,” in Proceedings 26th European Signal Processing Conference (EUSIPCO), (Rome, Italy), pp. 977–981, EURASIP, IEEE, September 2018

251) S. Amiriparian, M. Gerczuk, S. Ottl, N. Cummins, S. Pu


273) F. Jomrich, J. Schmid, S. Knapp, A. Höß, R. Steinmetz,


295) A. Karpov, O. Jokisch, and R. Potapova, Proceedings 20th International Conference on Speech and Communications, INNS/IEEE, IEEE, July 2018
324) G. Hagerer, N. Cummins, F. Eyben, and B. Schuller, “Enhancing speech-based depression detection through gender dependent vowel level formant features,” in Proc. 16th Conference on Artificial Intelligence in Medicine (AIME), (Vienna, Austria), pp. 209–214, Society for Artificial Intelligence in Medicine (AIME), June 2017


326) J. Deng, F. Eyben, B. Schuller, and F. Burkhardt, “Deep Neural Networks for Anger Detection from Real Life Speech Data,” in Proc. 2nd International Workshop on Automatic Sentiment Analysis in the Wild (WASA 2017) held in conjunction with the 7th biannual Conference on Affective Computing and Intelligent Interaction (ACII 2017), (San Antonio, TX), pp. 1–6, AAAC, IEEE, October 2017


International Society for Music Information Retrieval Conference, ISMIR 2017, (Suzhou, P. R. China), pp. 461–467, ISMIR, ISMIR, October 2017


357) Z. Zhang, F. Weninger, M. Wöllmer, J. Han, and B. Schuller, “Towards Intoxicated Speech Recognition,” in Proceedings 30th International Joint Conference on Neural Networks (IJCNN), (Anchorage, AK), pp. 1555–1559, INNS/IEEE, IEEE, May 2017. (acceptance rate: 67 %)


359) B. Schuller, J.-G. Ganascia, and L. Devillers, “Multimodal Sentiment Analysis in the Wild: Ethical considerations on Data Collection, Annotation, and Exploitation,” in Proceedings of the 1st International Workshop on ETHics In Corpus Collection,


G. Keren and B. Schuller, “Convolutional RNN: an Enhanced Model for Extracting Features from Sequential Data,” in Proceedings 2016 International Joint Conference on Neural Networks (IJCNN) as part of the IEEE World Congress on Computational Intelligence (IEEE WCCI), (Vancouver, Canada), pp. 3412–3419, INNS/IEEE, IEEE, July 2016


Emotion and Sentiment Analysis (ESA 2016), satellite of the 10th Language Resources and Evaluation Conference (LREC 2016) (J. F. Sánchez-Rada and B. Schuller, eds.), (Portoroz, Slovenia), pp. 80–84, ELRA, ELRA, May 2016. (acceptance rate: 74%)


oral: 28 %))


453) E. Coutinho, J. Deng, and B. Schuller, “Transfer Learning Emotion Manifestation Across Music and Speech,” in *Proceedings 2014 International Joint Conference on Neural Networks (IJCNN) as part of the IEEE World Congress on Computational Intelligence (IEEE WCCI)*, (Beijing, China), pp. 3592–3598, INNS/IEEE, IEEE, July 2014. (acceptance rate: 30 %)


466) E. Marchi, G. Ferroni, F. Eyben, S. Squartini, and B. Schuller, “Audio Onset Detection: A Wavelet Packet Based Approach with Recurrent Neural Networks,” in *Proceedings 2014 International Joint Conference on Neural Networks (IJCNN) as part of the IEEE World Congress on Computational Intelligence (IEEE WCCI)*, (Beijing, China), pp. 3585–3591, INNS/IEEE, IEEE, July 2014. (acceptance rate: 30 %)


W. Han, H. Li, H. Ruan, L. Ma, J. Sun, and B. Schuller, “Active Learning for Dimensional Speech Emotion Recognition,” in Proceedings INTERSPEECH 2013, 14th Annual Conference of the International Speech Communication Association, (Lyon, France), pp. 2856–2859, ISCA, ISCA, August 2013. (acceptance rate: 52 %)


541) F. Eyben, S. Petridis, B. Schuller, and M. Pantic, “Audiovisual Vocal Outburst Classification in Noisy Acoustic Conditions,” in Proceedings 37th IEEE International Conference on Acoustics,


562) M. Wöllmer, E. Marchi, S. Squaritini, and B. Schuller, “Ro-


572) B. Schuller, S. Steidl, A. Batliner, F. Burkhardt, L. Devillers, C. Müller, and S. Narayanan, “The INTERSPEECH 2010 Par-


672) B. Schuller, G. Rigoll, and M. Lang, “Speech Emotion Recognition Combining Acoustic Features and Linguistic Information...


D) PATENTS (7)


E) OTHER

**Theses (3):**


700) B. Schuller, *Automatisches Verstehen gesprochener mathematischer Formeln,* diploma thesis, Technische Universität München, Munich, Germany, October 1999

**Editorials / Edited Volumes (57):**


705) T. Hain and B. Schuller, “Message from the Technical Program Chairs,” in *Proceedings INTERSPEECH 2019, 20th Annual Conference of the International Speech Communication Association,* (Graz, Austria), ISCA, ISCA, September 2019. editorial (acceptance rate: 49.3 %)


711) K. Veselkov and B. Schuller, “The age of data analytics: converting biomedical data into actionable insights,” *Methods, Special Issue on Health Informatics and Translational Data Analytics,* December 2018. (IF: 3.998 (2017))


735) L. Paletta, B. Schuller, P. Robinson, and N. Sabouret, eds., *IDGEI 2014 – 2nd International Workshop on Intelligent Digital Games for Empowerment and Inclusion*, (Haifa, Israel), ACM, ACM, February 2014. held in conjunction with the 19th International Conference on Intelligent User Interfaces, IUI 2014

736) L. Paletta, B. Schuller, P. Robinson, and N. Sabouret, eds., *Proceedings of the 2nd International Workshop on Digital Games for Empowerment and Inclusion, IDGEI 2014*, (Haifa, Israel), ACM, ACM, February 2014. held in conjunction with the 19th International Conference on Intelligent User Interfaces, IUI 2014


740) B. Schuller, S. Steidl, and A. Batliner, “Introduction to the Special Issue on Paralinguistics in Naturalistic Speech and Language,” *Computer Speech and Language, Special Issue on Paralinguistics in Naturalistic Speech and Language*, vol. 27, pp. 1–3, January 2013. editorial (acceptance rate: 36 %, IF: 1.812 (2013))


742) E. Cambria, B. Schuller, B. Liu, H. Wang, and C. Havasi, “Guest Editor’s Introduction: Knowledge-based Approaches to Concept-Level Sentiment Analysis,” *IEEE Intelligent Systems Magazine, Special Issue on Statistical Approaches to Concept-Level Sentiment Analysis*, vol. 28, pp. 12–14, March/April 2013. (IF: 2.596 (2017))

743) E. Cambria, B. Schuller, B. Liu, H. Wang, and C. Havasi, “Guest Editor’s Introduction: Statistical Approaches to Concept-Level Sentiment Analysis,” *IEEE Intelligent Systems Magazine, Special Issue on Statistical Approaches to Concept-Level Sentiment Analysis*, vol. 28, pp. 6–9, May/June 2013. (IF: 2.596 (2017))


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F. Eyben and B. Schuller, “Tempo Estimation from Tatum and Meter Vectors,” in Proceedings Annual Meeting of the MIREX 2010 community as part of the 11th International Conference on Music Information Retrieval, (Utrecht, Netherlands), ISMIR, ISMIR, August 2010. 2 pages (acceptance rate: 61 %)


Invited Papers (32):


111 ITG Symposium (T. Fingscheidt and W. Kellermann, eds.), (Braunschweig, Germany), pp. 1–4, ITG, IEEE, September 2012. invited contribution


Forewords (6):


833 R. Cowie, Q. Ji, J. Tao, J. Gratch, and B. Schuller, “Foreword ACII 2015 – Affective Computing and Intelligent Interaction at Xi’an,” in Proc. 6th biannual Conference on Affective Computing and Intelligent Interaction (ACII 2015), (Xi’an, P.R. China), AAAC, IEEE, September 2015. 2 pages


835 B. Schuller, “Supervisor’s Foreword,” in Real-time Speech and Music Classification by Large Audio Feature Space Extraction (F. Eyben, ed.), Springer, 2015. invited foreword, 2 pages

Reviewed Technical Newsletter Contributions (5):


Technical Reports and Preprints (42):

841) A. Baird and B. Schuller, “Presenting the Acoustic Sounds for Wellbeing Dataset and Baseline Classification Results,” arxiv.org, August 2019. 8 pages


854) Z. Zhang, J. Han, K. Qian, C. Janott, Y. Guo, and B. Schuller, “Snore-GANs: Improving Automatic Snore Sound Classification with Synthesized Data,” arxiv.org, March 2019. 11 pages


857) G. Keren, J. Han, and B. Schuller, “Scaling Speech Enhancement in Unseen Environments with Noise Embeddings,” arxiv.org, October 2018. 5 pages


865) Z. Zhang, J. Han, E. Coutinho, and B. Schuller, “Dynamic Difficulty Awareness Training for Continuous Emotion Prediction,” arxiv.org, October 2018. 13 pages


872) Z. Zhang, D. Liu, J. Han, and B. Schuller, “Learning Audio Sequence Representations for Acoustic Event Classification,” arxiv.org, July 2017. 8 pages

873) G. Keren and B. Schuller, “Convolutional RNN: an Enhanced Model for Extracting Features from Sequential Data,” arxiv.org, February 2016. 8 pages


