List of Publications

○ A VIRTUAL TUBE DELAY EFFECT.
Simionato Riccardo, Liski Juho, Välimäki, Vesa, & Avanzini Federico. In: *Proceedings of the 21th International Conference on Digital Audio Effects (DAFx18), Aveiro, Portugal*.

○ KEYWORD-BASED ACCESS TO RELATIONAL DATA: TO REPRODUCE, OR TO NOT REPRODUCE?
Badan Alex, Benvegnù Luca, Biasetton Matteo, Bonato Giovanni, Brighente Alessandro, Marchesin Stefano, Minetto Alberto, Pellegrina Leonardo, Purpura Alberto, **Simionato Riccardo**, Tessarotto Matteo, Tonon Andrea, & Ferro Nicola. In: *Proceedings of 25th Italian Symposium on Advanced Database Systems (SEBD 2017)*.

○ TOWARDS OPEN-SOURCE SHARED IMPLEMENTATIONS OF KEYWORD-BASED ACCESS SYSTEMS TO RELATIONAL DATA.
Badan Alex, Benvegnù Luca, Biasetton Matteo, Bonato Giovanni, Brighente Alessandro, Marchesin Stefano, Minetto Alberto, Pellegrina Leonardo, Purpura Alberto , **Simionato Riccardo**, Tessarotto Matteo, Tonon Andrea, & Ferro Nicola. In: *Proceedings of 1st EDBT/ICDT Workshop on Keyword-based Access and Ranking at Scale (KARS 2017)*

○ A TRANSFORMER AND LSTM MODELS FOR AUTOMATIC COUNTERPOINT GENERATION USING RAW AUDIO.
Bentsen Lars Ødegaard & **Simionato Riccardo** & Wallace Benedikte & Krzyzaniak, Michael Joseph. In: *Proceedings of the 17th Sound and Music Computing Conference (SMC22), Saint-Étienne, France*.

○ DEEP LEARNING CONDITIONED MODELING OF OPTICAL COMPRESSION.
Simionato Riccardo & Fasciani Stefano. In: *Proceedings of the 25th International Conference on Digital Audio Effects (DAFx20in22), Vienna, Austria*.

○ FULLY CONDITIONED AND LOW-LATENCY BLACK-BOX MODELING OF ANALOG COMPRESSION.
Simionato Riccardo & Fasciani Stefano. In: *Proceedings of the 26th International Conference on Digital Audio Effects (DAFx20in23), Copenaghen, Denmark*.

○ A COMPARATIVE COMPUTATIONAL APPROACH TO PIANO MODELING ANALYSIS.
Simionato Riccardo & Fasciani Stefano. In: *Proceedings of the Sound and Music Computing Conference (SMC23), Stockholm, Sweden*.

○ CONDITIONING METHODS FOR NEURAL AUDIO EFFECTS.
Simionato Riccardo & Fasciani Stefano. In: *Proceedings of the 19th Sound and Music Computing Conference (SMC24), Porto, Portugal*.

○ HYBRID NEURAL AUDIO EFFECTS.
Simionato Riccardo & Fasciani Stefano. In: *Proceedings of the 19th Sound and Music Computing Conference (SMC24), Porto, Portugal*.

○ A UNIVERSAL TOOL FOR GENERATING DATASETS FROM AUDIO EFFECTS.
Fasciani Stefano & **Simionato Riccardo** & Tidemann Aleksander. In: *Proceedings of the 19th Sound and Music Computing Conference (SMC24), Porto, Portugal*.

○ PHYSICS-INFORMED DIFFERENTIABLE METHOD FOR PIANO MODELING.
Simionato Riccardo & Fasciani Stefano & Holm Sverre. In: *Frontiers in Signal Processing, volume 3, 2024*.

○ COMPARATIVE STUDY OF STATE-BASED NEURAL NETWORKS FOR VIRTUAL ANALOG AUDIO EFFECTS MODELING.
Simionato Riccardo & Fasciani Stefano. *EURASIP Journal on Audio, Speech, and Music Processing, 2025*.

○ MODELING TIME-VARIANT RESPONSES OF OPTICAL COMPRESSORS WITH SELECTIVE STATE SPACE MODELS.
Simionato Riccardo & Fasciani Stefano. In: *Journal of Audio Engineering Society, vol. 73, no. 3, p. 144–165, 2025*.

○ SINE, TRANSIENT, NOISE NEURAL MODELING OF PIANO NOTES.
Simionato Riccardo & Fasciani Stefano. In: *Frontiers in Signal Processing, volume 3, 2025*.

○ NEURAL SAMPLED-BASED PIANO SYNTHESIS.
Simionato Riccardo & Fasciani Stefano. *Proceedings of the 28th International Conference on Digital Audio Effects (DAFx25), Ancona, Italy*.

○ TOWARDS NEURAL EMULATION OF VOLTAGE-CONTROLLED OSCILLATORS.
Simionato Riccardo & Fasciani Stefano. *Proceedings of the 28th International Conference on Digital Audio Effects (DAFx25), Ancona, Italy*.

○ COMPRESSING NEURAL NETWORK MODELS OF AUDIO DISTORTION EFFECTS USING KNOWLEDGE DISTILLATION TECHNIQUES.
Simionato Riccardo & Aleksander Tidemann. *Proceedings of the AES International Conference on Artificial Intelligence and Machine Learning for Audio, London, UK*.